JVC

SERVICE MANUAL

HDD&DVD VIDEO RECORDER

DR-MH300BE2, DR-MH300BEK2, DR-MH300SE2, DR-MH300SEK2, DR-ED400SE2

Only ver.E,EK

Only ver.EK

Area Suffix
E ------- Continental Europe
Northern Europe
EK ---------- U.K.

Only ver.E

DR-MH300BE2, DR-MH300BEK2, DR-MH300SE2,
DR-MH300SEK2, DR-ED400SE2 [D5HR10]

Since the whole mechanism assembly unit is replaced, the DVD recorder mechanism of this unit need not be adjusted.

This model is a model to whom the DVD drive unit and some parts are changed based on DR-MH300B,DR-MH300S,DR-ED400S.
Please see page 3 about details and the distinction method.
For details other than those described in this manual, please refer to the DR-MH300B,DR-MH300S,DR-ED400S service manual (Issue No.YD089 2005/12).

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No.YD089B
2006/2

SPECIFICATION

	DR-MH300BE2,DR-MH300SE2,DR-ED400SE2	DR-MH300BEK2,DR-MH300SEK2
GENERAL		
Power requirement	AC 220 V - 240 V~, 50 Hz/60 Hz	
Power consumption	Power on : 36 W Power off : 6.4 W	
Temperature	Operating : 5°C to 35°C Storage : -20°C to 60°C	
Operating position	Horizontal only	
Dimensions (W × H × D)	435 mm × 70 mm × 300 mm	
Weight	4.6 kg	
VIDEO/AUDIO (DVD Deck)		
Recordable disc	DVD-RAM 12 cm (4.7 GB/9.4 GB*1),DVD-RAM 8 cm (1.4 GB/2.8 GB*2),DVD-R 12 cm (4.7 GB),DVD-R 8 cm (1.4 GB),DVD-RW 12 cm (4.7 GB),DVD-RW 8 cm (1.4 GB) *1 9.4 GB double-sided discs *2 2.8 GB double-sided discs	
Recording format	DVD-RAM : DVD Video Recording format DVD-R : DVD Video format, DVD Video Recording format DVD-RW : DVD Video format, DVD Video Recording format	
Recording time	Maximum 8 hours (with 4.7 GB disc) (XP) : Approx. 1 hour, (SP) : Approx. 2 hours, (LP) : Approx. 4 hours, (EP) : Approx. 6 hours, (FR) : Approx. 1 hour - 8 hours	
Audio recording system	Dolby Digital (2 ch) Linear PCM (XP mode only)	
Video recording compression system	MPEG2 (CBR/VBR)	
VIDEO/AUDIO (HDD Deck)		
Capacity	160 GB	
Recording time	(DV) : Approx. 11 hours,(XP) : Approx. 34 hours,(SP) : Approx. 69 hours,(LP) : Approx. 138 hours, (EP) : Approx. 209 hours,(FR480) : Approx. 300 hours	
Audio recording system	Dolby Digital (2 ch) Linear PCM (XP mode only)	
Video recording compression system	MPEG2 (VBR)	
Input/Output		
21-pin SCART connectors	IN/OUT X 1, IN/DECODER X 1	
S-video input	Y:1.0 Vp-p,75 ohms C : 0.3Vp-p, 75 ohms	
Video input	1.0 Vp-p, 75 ohms (pin jack)	
Audio input	2 Vrms (pin jack)	
i.Link	4-pin for DV Input/Output	
Component video output	Y : 1.0 Vp-p, 75 ohms PB/PR: 0.7 Vp-p, 75 ohms Corresponding to copy protection	
HDMI output	19-pin, Corresponding to HDCP Video : 576i/576p/1080i/720p Audio : 2 ch PCM/Bitstream	
Digital audio output	Coaxial Corresponding to Dolby Digital and DTS Digital Surround, Bit stream Selectable in digital audio output setting menu	
G-LINK	3.5 mm Jack	
TUNER/TIMER		
Tuning system	Frequency synthesised tuner	
Signal system	PAL/SECAM colour signal, 625 lines/50 fields	PAL colour signal,625 lines/50 fields
TV channel storage capacity	99 positions (+AUX position)	
Channel coverage(SECAM-L)	-	-
Channel coverage(PAL)	VHF : 47 MHz - 89 MHz/ 104 MHz - 300 MHz/ 302 MHz - 470 MHz UHF : 470MHz - 862MHz	VHF : 44.5MHz - 143MHz/ 143MHz - 470MHz/ UHF : 470MHz - 862MHz
Memory backup time	Approx. 10 minutes.	

E.& O.E. Design and specifications subject to change without notice.

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About this service manual

This model is a model to whom the DVD drive unit and some parts are changed based on DR-MH300BE,DR-MH300BEK,DR-MH300SE,DR-MH300SEK,DR-ED400SE.
Since the way of recognizing is explained below, in the case of DR-MH300BE2, DR-MH300BEK2,DR-MH300SE2,DR-MH300SEK2,DR-ED400SE2, please use this manual.
In the case of DR-MH300BE,DR-MH300BEK,DR-MH300SE,DR-MH300SEK,DR-ED400SE, please refer to another service manual (No.YD089 2006/2).

HOW TO IDENTIFY MODELS

How to recognize from the appearance of the model concerned is written below.
Please distinguish from several contents currently printed on the rating label of the left side on main body.

BLANK : DR-MH300BE,DR-MH300BEK,DR-MH300SE,DR-MH300SEK,DR-ED400SE
2 : DR-MH300BE2,DR-MH300BEK2,DR-MH300SE2,DR-MH300SEK2,DR-ED400SE2

SECTION 1
PRECAUTION

Please refer to "DR-MH300BE, DR-MH300BEK,DR-MH300SE,DR-MH300SEF,DR-MH300SEK, DR-MH300SER,DR-ED400SE (issue number : YD089)" about this section.

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3
DISASSEMBLY

3.1 Main body section

3.1.1 Remove the top cover (See figure 1)

(1) Remove the four screws **A** attaching the top cover on both sides of the main body.
(2) Remove the five screws **B** attaching the top cover on the back of the main body.
(3) Raise the both sides and lower part of the rear of the top cover, with opening them slightly in an outward direction. And the top cover will be removed.

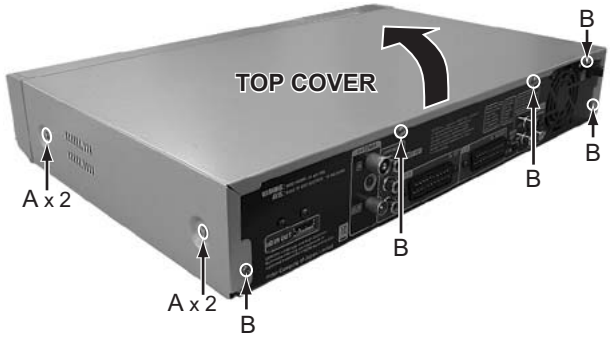


Fig.1

3.1.2 Remove the front panel assembly and HDD (See figure 2, figure 3, figure 4)

- Prior to performing the following procedure, remove the top cover.
- There is no need to remove the drive unit.

(1) Remove the five screws **C** attaching the HDD and bracket.
(2) Disconnect the card wire from connector CN2201 on the digital board.
(3) Disconnect the socket wire from connector CN5304 on the main board.
(4) Disconnect the card wire from connector on the HDD.
(5) Disconnect the card wire from connector CN4001 on the main board.
(6) Disconnect the card wires from connector CN7002, CN7003 on the display board.
(7) Remove the two screws **D** attaching the front panel assembly.
(8) Hooks **a** and **b** are removed respectively, and the front panel assembly is removed.

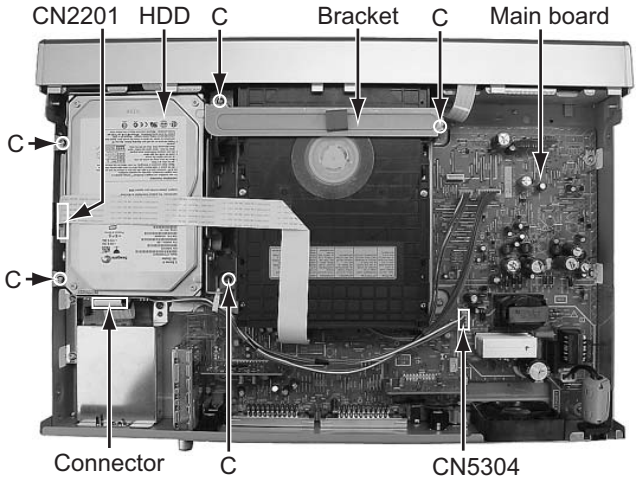


Fig.2

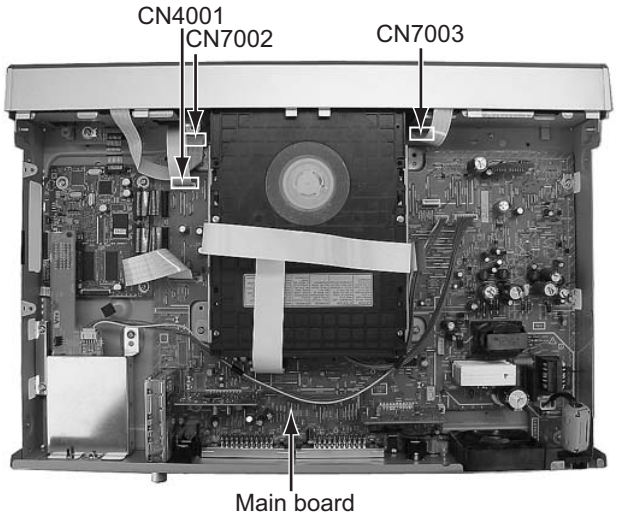


Fig.3

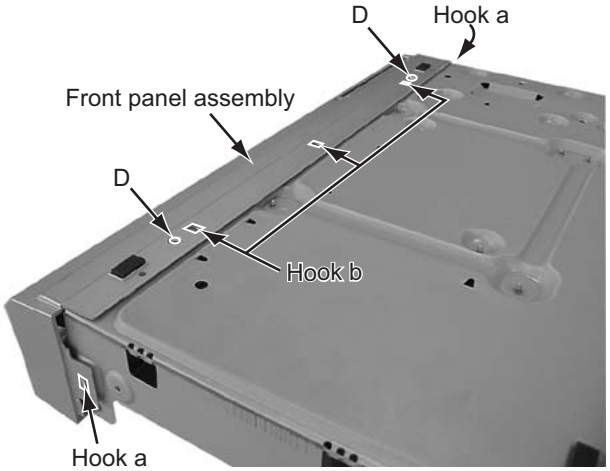


Fig.4

3.1.3 Remove the drive unit (See figure 5)

- Prior to performing the following procedure, remove the top cover.
- There is no need to remove the front panel assembly.

(1) Disconnect the socket wire from connector CN5302 on the main board.
(2) Disconnect the card wire from connector CN2201 on the digital board.
(3) Remove the five screws **E** attaching the drive unit and bracket.

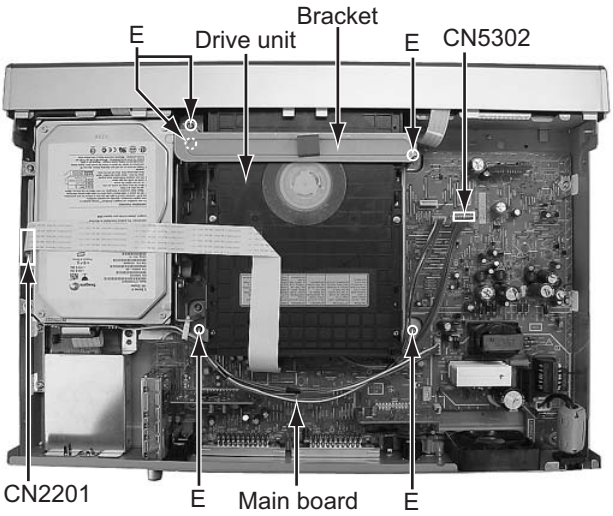


Fig.5

3.1.4 Remove the HDMI board and digital board (See figure 6, figure 7)

- Prior to performing the following procedure, remove the top cover and HDD.

(1) Disconnect the socket wire from connector CN2404 on the HDMI board.
(2) Remove the three screws **F** attaching the HDMI board.
(3) Remove the two screws **G** (**G1, G2**) attaching the HDMI board from rear side.
(4) Disconnect the connector from CN2401 on the HDMI board from digital board.
(5) Disconnect the card wire from connector CN1103 on the digital board.
(6) Disconnect the socket wire from connector CN1101, CN1102, CN1801 on the digital board.
(7) Remove the four screws **H** attaching the digital board.

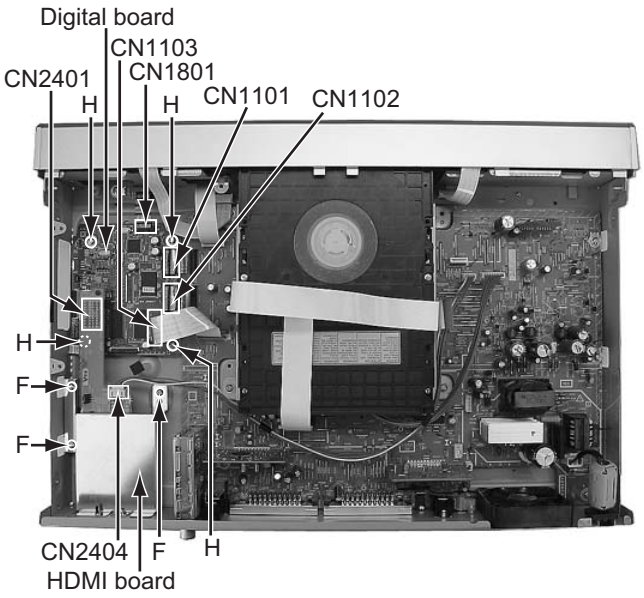
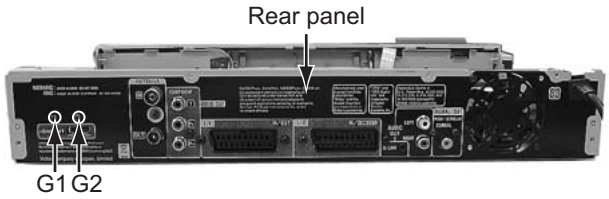


Fig.6



Torque
Please note tightening too much.
G1 --- 0.784 N-m +- 0.078N-m (8.0 kgf-cm +- 0.8 kgf-cm)
G2 --- 0.25 N-m ~ 0.35N-m (2.6 kgf-cm ~ 3.6 kgf-cm)

Fig.7

3.1.5 Remove the main board (See figure 8, figure 9)

- Prior to performing the following procedure, remove the top cover, drive unit, HDD.
  (1) Disconnect the card wire from connector CN4103, CN4001 on the main board.
  (2) Disconnect the socket wire from connector CN1101, CN1102, CN7001 on the digital board and display board.
  (3) Disconnect the socket wire from connector CN3004, CN5303 on the main board.
  (4) Disconnect the power cord from connector CN5001 on the main board.
  (5) Remove the six screws **I** attaching the main board.
  (6) Remove the seven screws **J** attaching the rear panel with main board.
  (7) Remove the one screw **K** attaching the tuner.

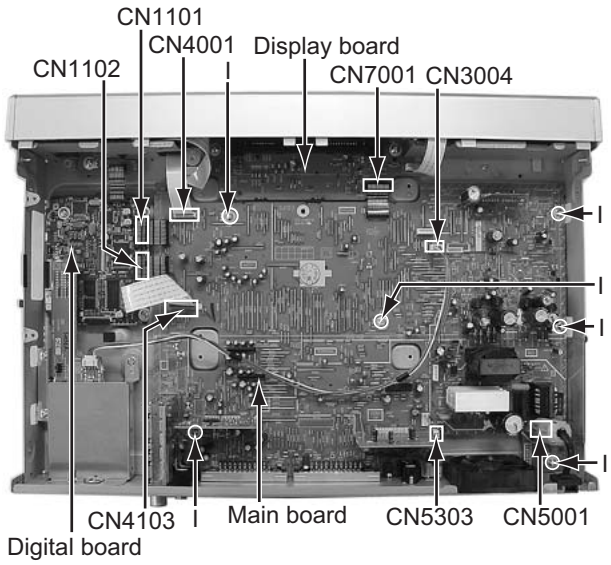


Fig.8

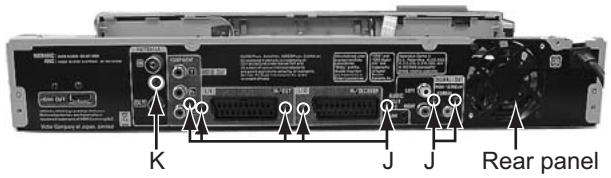


Fig.9

3.1.6 Remove the display board (See figure 10)

- Prior to performing the following procedure, remove the top cover, drive unit, HDD, front panel assembly.
  (1) Disconnect the socket wire from connector CN7001 on the display board.
  (2) Remove the two screws **L** attaching the display board.

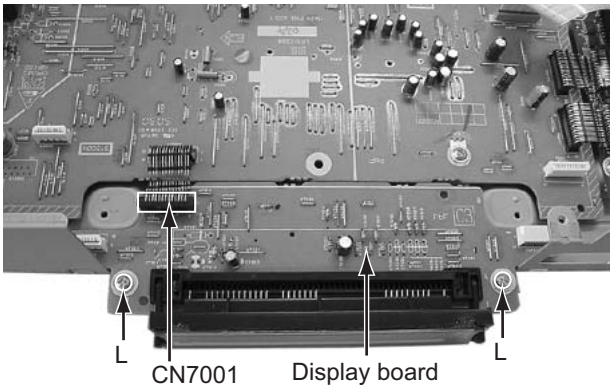


Fig.10

3.2 DVD Drive unit section

3.2.1 Remove the top cover and tray (See figure 1, figure2, figure3, figure4)

(1) The part **a** on the reverse side of a DVD drive unit is made to slide in the direction of an arrow. (A tray ejects a few.)
(2) Remove the four screws **A** attaching the top cover.
(3) Hooks **b** are removed, and the top cover is removed.
(4) The tray is drawn out forward.
(5) Remove the two screws **B** attaching the shaft guide, and hook **c** is removed.
(6) It draws it out while lifting the tray in the direction of the arrow.

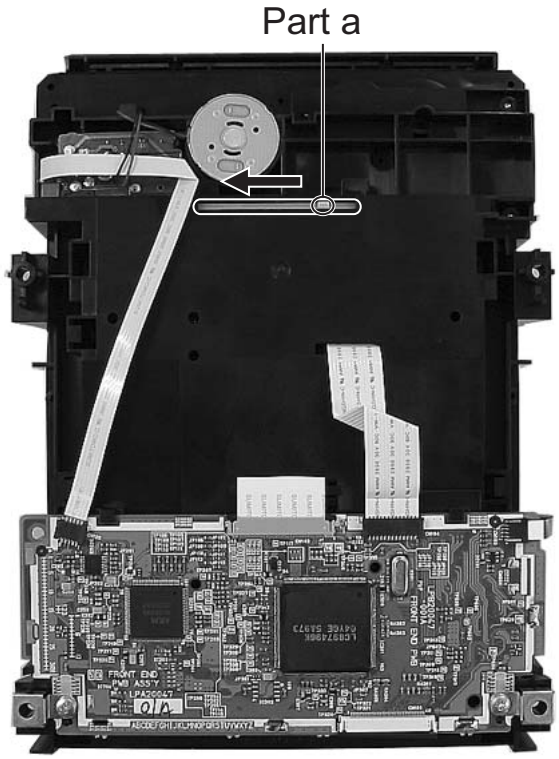


Fig.1

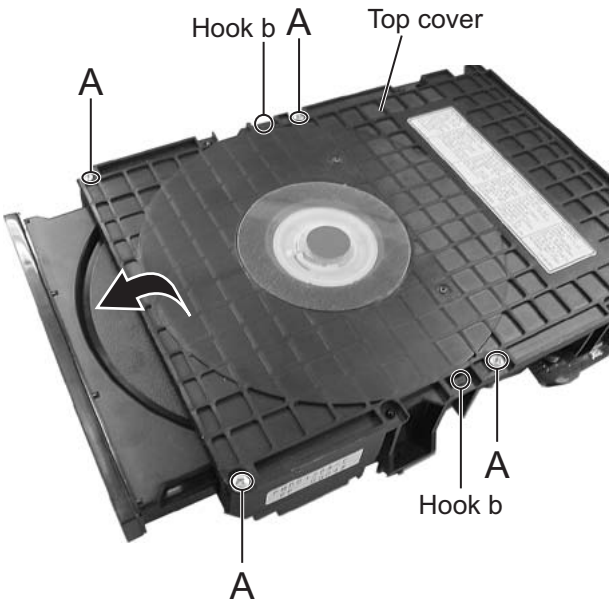


Fig.2

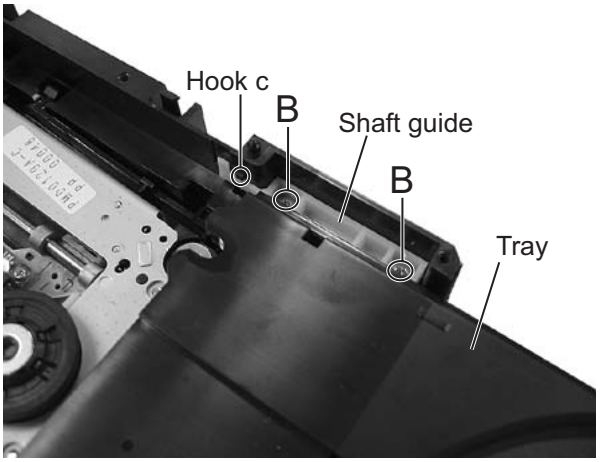


Fig.3

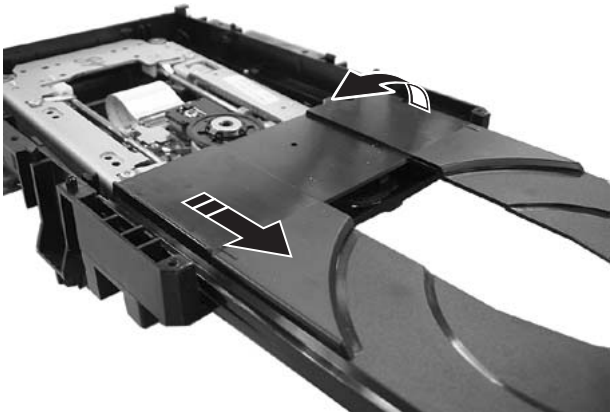


Fig.4

3.2.2 Reassembly the tray (See figure 5)

(1) The slide cam is done in the slide in the direction of the arrow.
(2) The shaft guide is done in the slide in the direction in the back.
(3) The left side of the tray is inserted in the rail of the loading base, and the shaft guide is built in.
(4) Please push the tray, and confirm whether the tray is normally good to the close position at the slide by manual.

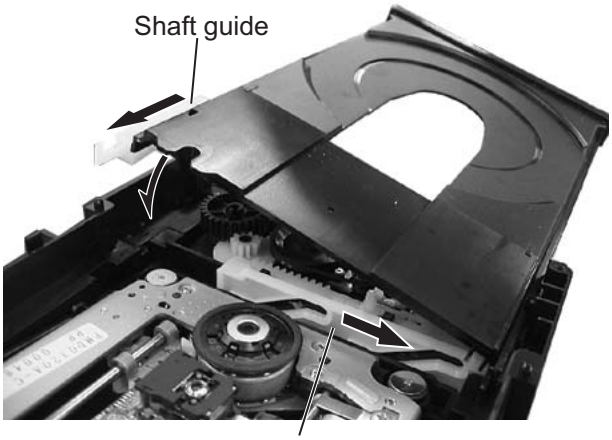


Fig.5

3.2.3 Remove the traverse mechanism assembly (See figure 6, figure 7)

• Prior to performing the following procedure, remove the top cover, tray.

(1) Disconnect the FFC wire from connector on the pick-up unit.

ATTENTION:

The laser diode of "pick-up" might be destroyed by static electricity. Please work after installing the wristband. In addition, please do not touch in each part, the terminal, and the laser diode terminal on the substrate of the pick-up unit. Never

(2) Disconnect the FFC wire from connector CN103, CN104 on the servo control board.
(3) Remove the four screws **C** attaching the traverse mechanism assembly.

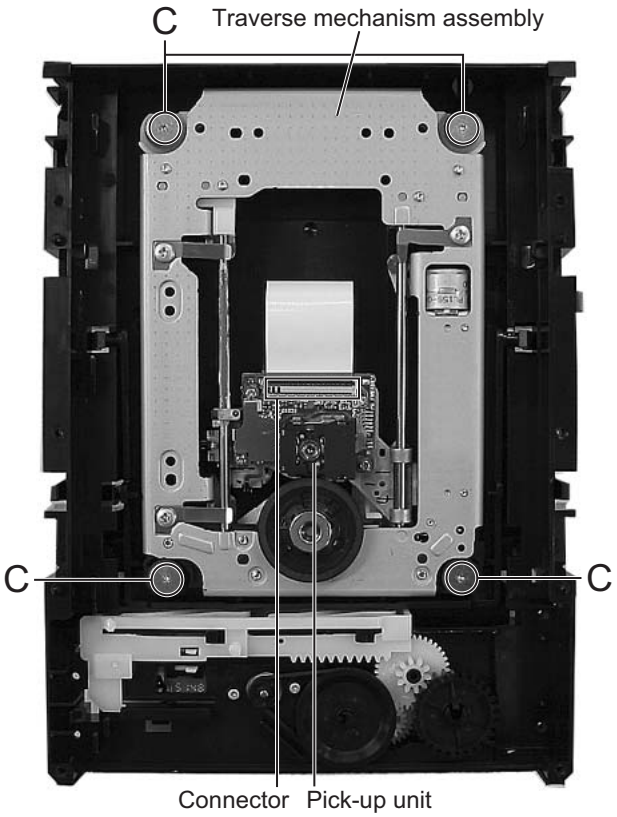


Fig.6

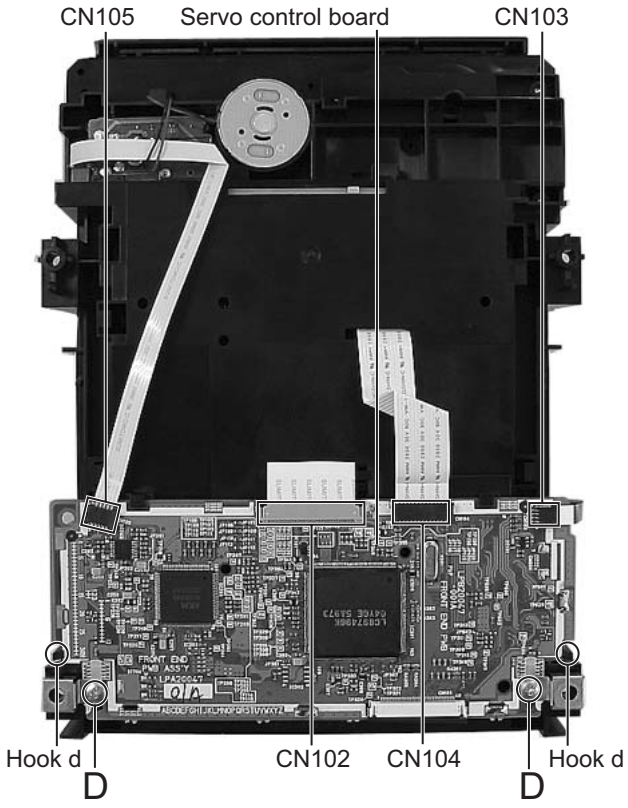


Fig.7

3.2.4 Remove the servo control board (See figure 7)

(1) Disconnect the FFC wire from connector CN102, CN103, CN104, CN105 on the servo control board.
(2) Remove the two screws **D** attaching the servo control board.
(3) Hooks **d** is removed, and the servo control board is removed.

3.2.5 Remove the loading motor (See figure 8, figure 9)

• Prior to performing the following procedure, remove the top cover, tray.
(1) Remove the solder part **e** soldered on the switch board.
(2) A belt is removed.
(3) Remove the two screws **E** attaching the loading motor.

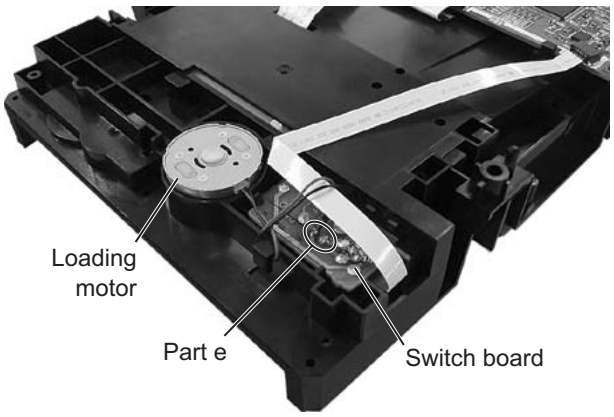


Fig.8

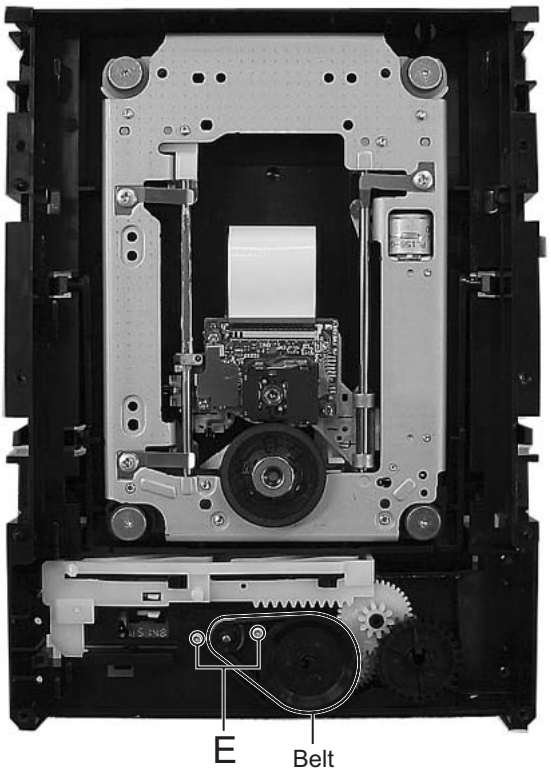


Fig.9

SECTION 4
ADJUSTMENT

4.1 Timer clock adjustment (for only ver.E)

If an error comes to arise for a clock, the following procedure will adjust.

Signal	(A1)	No signal
Mode	(B)	EE
Equipment	(C)	Frequency counter
Measuring point	(D1) (D2) (D3)	IC3001 pin 29 IC3001 pin 83 C3021 + and -
Adjustment part	(F)	C3033 (TIMER CLOCK)
Specified value	(G1)	1024.008 ±0.001 Hz (976.5549 ±0.0010 usec)

(1) Connect the frequency counter to the measuring point (D1).
(2) Connect the short wire between the short point (D2) and Vcc (5V).
(3) Short the leads of capacitor (D3) once in order to reset the microprocessor of the system controller.
(4) Disconnect the short wire between the short point (D2) and Vcc then connect it again.
(5) Adjust the Adjustment part (F) so that the output frequency becomes the specified value (G).

SECTION 5
TROUBLESHOOTING

5.1 JIG Mode

Please refer to "DR-MH300BE, DR-MH300BEK,DR-MH300SE,DR-MH300SEF,DR-MH300SEK, DR-MH300SER,DR-ED400SE (issue number : YD089)" about this section.

5.2 Displaying SYSTEM INFO

Please refer to "DR-MH300BE, DR-MH300BEK,DR-MH300SE,DR-MH300SEF,DR-MH300SEK, DR-MH300SER,DR-ED400SE (issue number : YD089)" about this section.

5.3 Updating the firmware of the main body

Please refer to "DR-MH300BE, DR-MH300BEK,DR-MH300SE,DR-MH300SEF,DR-MH300SEK, DR-MH300SER,DR-ED400SE (issue number : YD089)" about this section.

5.4 Updating the firmware of the drive unit

Please refer to "DR-MH300BE, DR-MH300BEK,DR-MH300SE,DR-MH300SEF,DR-MH300SEK, DR-MH300SER,DR-ED400SE (issue number : YD089)" about this section.

5.5 Taking out a disc

< Method 1 >

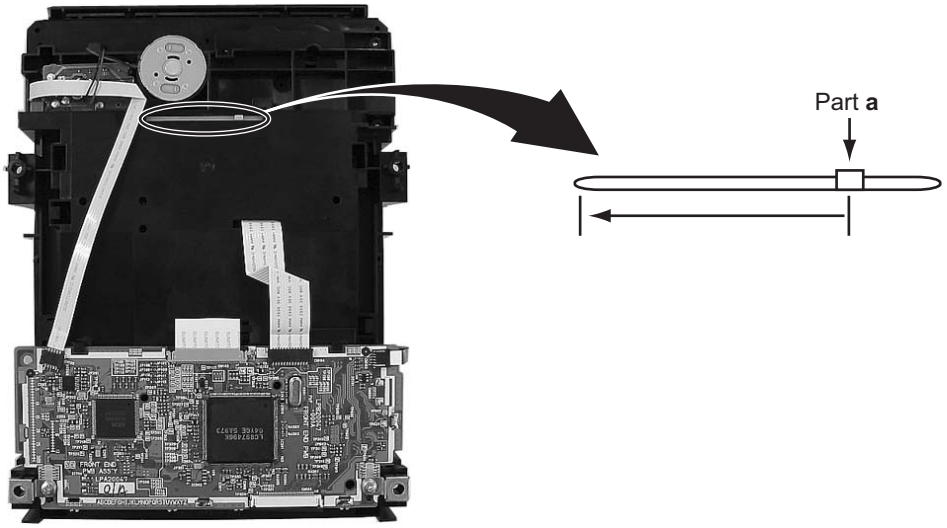
There is a forced tray eject mode with electrical operation.

(1) Right after plugging in the power code (while “PLEASE” and “WAIT” blink alternately and it is displayed), keep pressing the OPEN/CLOSE button of the main body.
(2) Remove the disc as the tray is ejected in a short while.
(3) The tray closes automatically at about five seconds.

< Method 2 >

When < Method 1 > can not remove the disc, the tray can be ejected mechanically without turning the power on.

(1) The DVD drive unit is detached from the main body.
(2) The part **a** on the reverse side of a drive unit is made to slide in the direction of an arrow with a screw driver etc.
(3) As the tray ejects a little, pull out the tray manually.



5.6 Exchanging the fitting

There is no fitting in DVD drive units of the repair parts, make sure to attach a service fitting when the drive unit is exchanged. The fitting that is removed from the old drive unit can be attached to the new drive unit.
The fitting can be removed by pulling upwards while opening out the lower part of the fitting outwards.

5.7 Initialization to the factory shipment state

Please refer to "DR-MH300BE, DR-MH300BEK,DR-MH300SE,DR-MH300SEF,DR-MH300SEK, DR-MH300SER,DR-ED400SE (issue number : YD089)" about this section.

5.8 Setting after the drive unit replacement

Please refer to "DR-MH300BE, DR-MH300BEK,DR-MH300SE,DR-MH300SEF,DR-MH300SEK, DR-MH300SER,DR-ED400SE (issue number : YD089)" about this section.

5.9 When it is displayed in FDP, 'RESETTING'

Please refer to "DR-MH300BE, DR-MH300BEK,DR-MH300SE,DR-MH300SEF,DR-MH300SEK, DR-MH300SER,DR-ED400SE (issue number : YD089)" about this section.

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(No.YD089B)

Printed in Japan
VPT

PARTS LIST

[DR-MH300BE2,DR-MH300BEK2, DR-MH300SE2,DR-MH300SEK2,DR-ED400SE2]

* SAFETY PRECAUTION
  Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.
* BEWARE OF BOGUS PARTS
  Parts that do not meet specifications may cause trouble in regard to safety and performance. We recommend that genuine JVC parts be used.
* (x_) in a description column shows the number of the used part.

Area Suffix	
E	Continental Europe Northern Europe
EK	U.K

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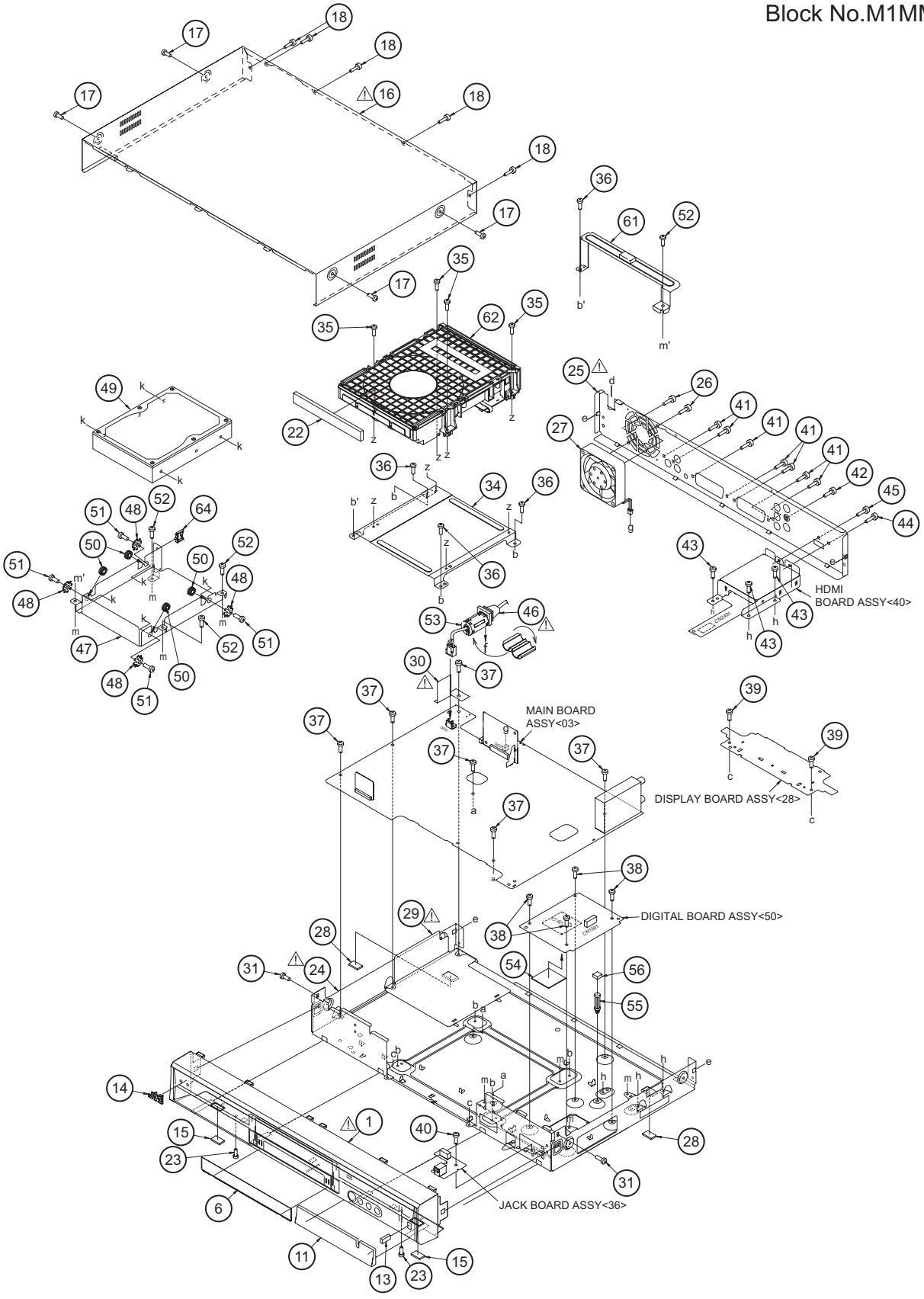
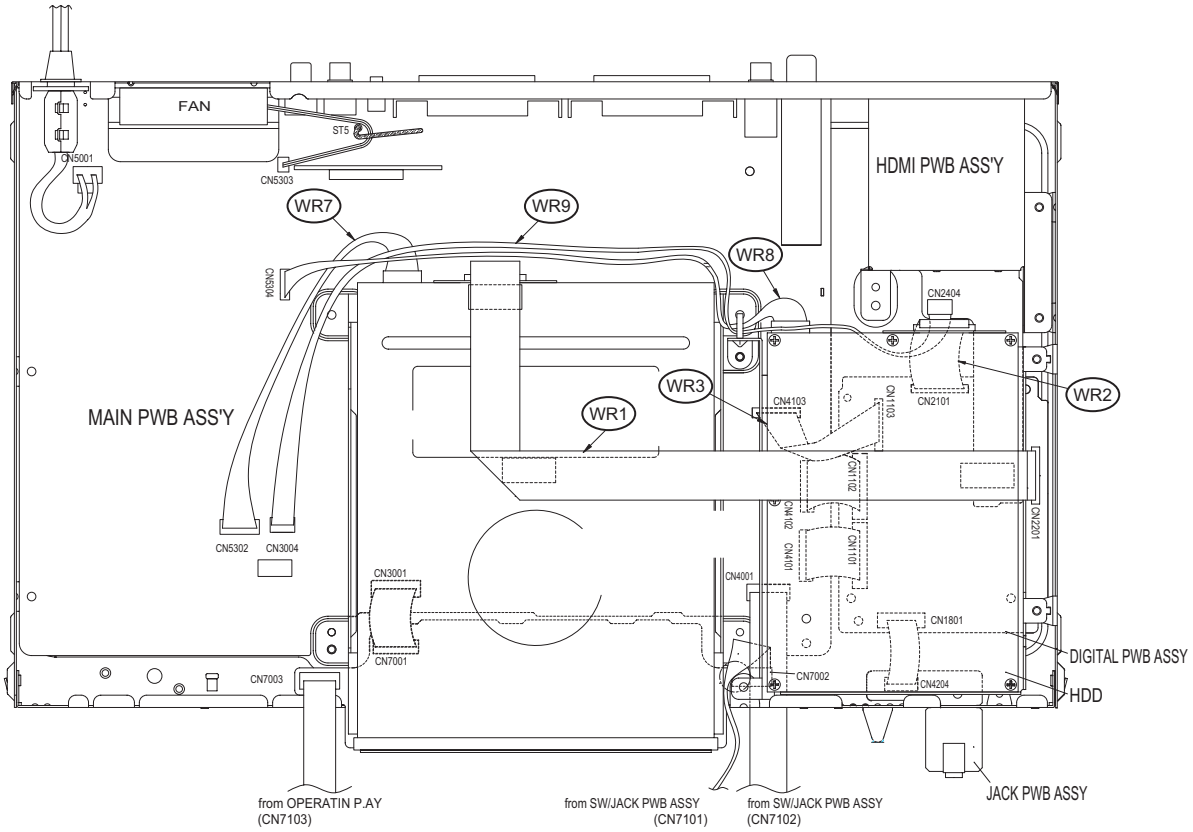
DVD mechanism assembly and parts list ---------- 3-6
Electrical parts list ---------- 3-8
Packing materials and accessories parts list ---------- 3-21

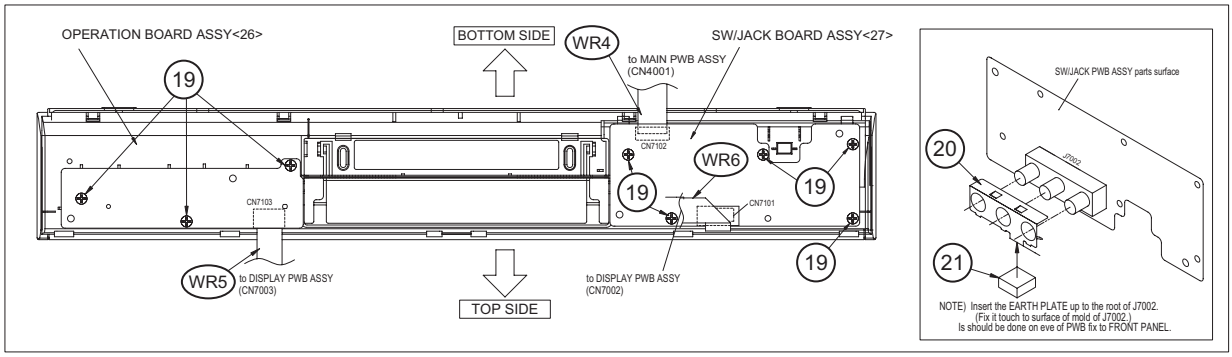
Exploded view of general assembly and parts list

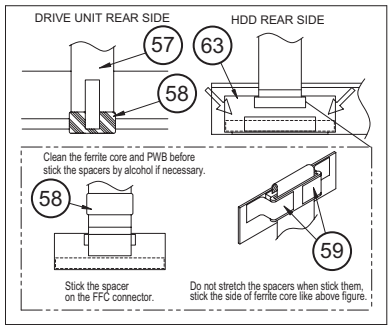
Block No.M1MM

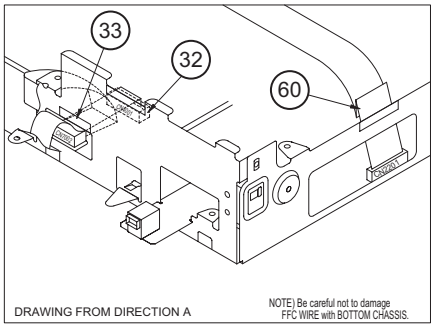


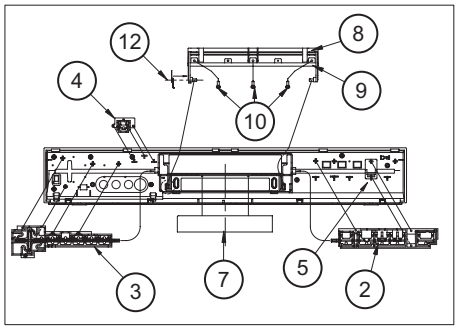


FRONT PANEL SUB ASS'Y




DRIVE UNIT REAR SIDE
HDD REAR SIDE
57
63
58
Clean the ferrite core and PWB before stick the spacers by alcohol if necessary.
58
59
Stick the spacer on the FFC connector.
Do not stretch the spacers when stick them, stick the side of ferrite core like above figure.





General assembly

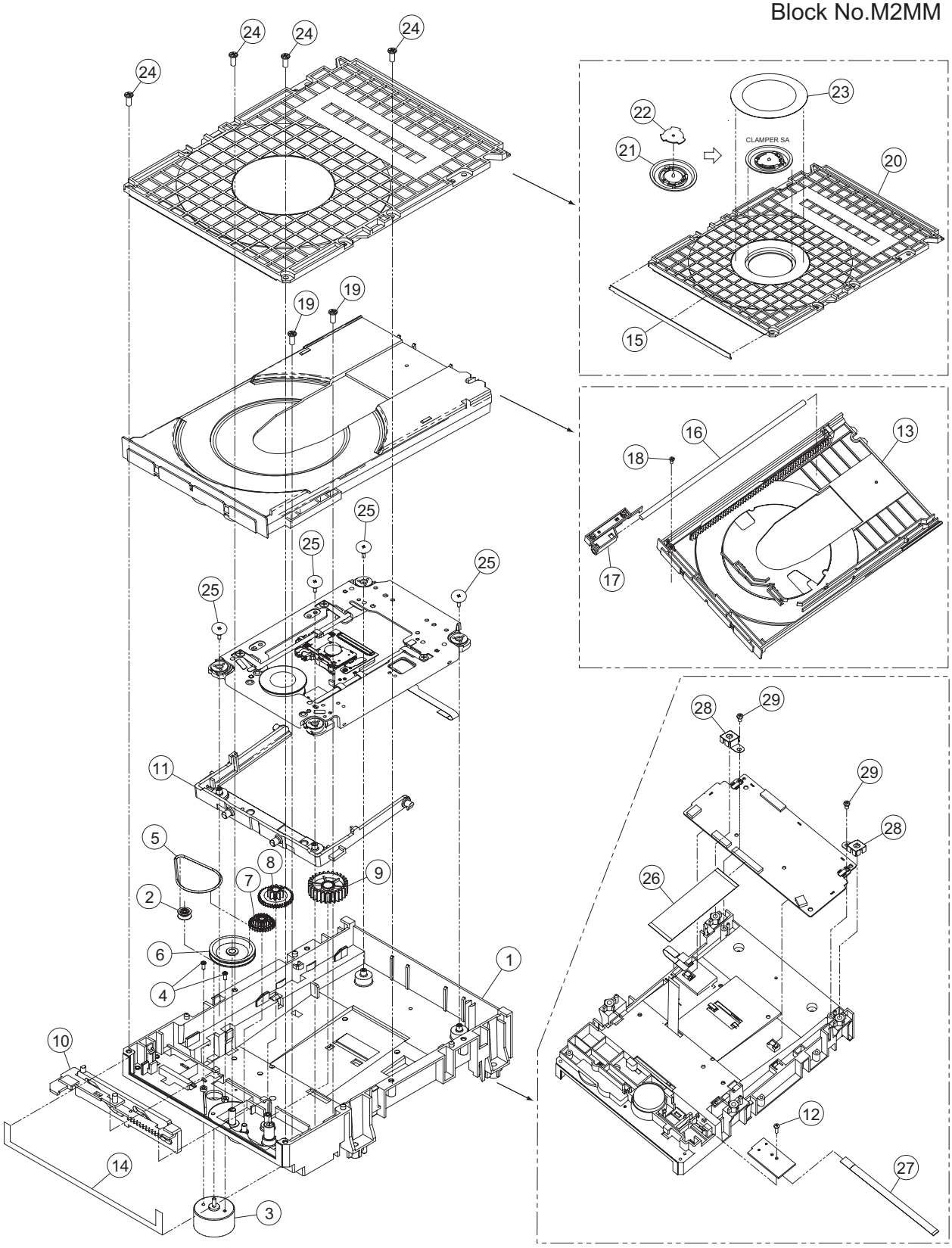
Block No. [M][1][M][M]

⚠ Symbol No.	Part No.	Part Name	Description	Local
⚠ 1	LP10581-017A	FRONT PANEL		400SE
⚠ 1	LP10581-012B	FRONT PANEL		300BE,300BEK
⚠ 1	LP10581-011B	FRONT PANEL		300SE,300SEK
2	LP31543-001C	P.BUTTON ASSY		400SE,300SE,300SEK
2	LP31543-002B	P.BUTTON ASSY		300BE,300BEK
3	LP21357-001C	P.BUTTON(R)		400SE,300SE,300SEK
3	LP21357-002B	P.BUTTON(R)		300BE,300BEK
4	LP21352-001A	P.BUTTON(EJ)		400SE,300SE,300SEK
4	LP21352-002A	P.BUTTON(EJ)		300BE,300BEK
5	LP31477-001A	REMOTE LENS		400SE,300SE,300SEK
5	LP31477-002A	REMOTE LENS		300BE,300BEK
6	LP31474-002A	WINDOW SCREEN		
7	LP31484-001A	FL SCREEN		
8	LP21376-003B	LID		400SE,300SE,300SEK
8	LP21376-004B	LID		300BE,300BEK
9	LP21355-001B	LENS		400SE,300SE,300SEK
9	LP21355-002A	LENS		300BE,300BEK
10	QYSDSF2005ZA	TAP SCREW	FOR LENS(x3)	
11	LP21353-008A	DOOR(R)		400SE,300SE
11	LP21353-009A	DOOR(R)		300BE
11	LP21353-016A	DOOR(R)		300BEK
11	LP21353-012A	DOOR(R)		300SEK
12	LP41219-001B	SPRING		
13	QZW0020-001	LATCH		
14	GN40020-002A	JVC MARK		
15	LP30002-0K1A	SPACER	(x2)	
⚠ 16	LP21361-002A	TOP COVER	(SERVICE)	400SE,300SE,300SEK
⚠ 16	LP21361-004A	TOP COVER	(SERVICE)	300BE,300BEK
17	QYSDSGY3006RA	TAP SCREW	TOP SIDE(x4)	400SE,300SE,300SEK
17	QYSDSGY3006MA	TAP SCREW	TOP SIDE(x4)	300BE,300BEK
18	QYSDSGY3006RA	TAP SCREW	TOP REAR(x5)	400SE,300SE,300SEK
18	QYSDSGY3006MA	TAP SCREW	TOP REAR(x5)	300BE,300BEK
19	QYSBSF2608ZA	TAP SCREW	FRONT PWB(x8)	
20	LP31514-001B	EARTH PLATE	FRONT JACK	
21	LP30002-0K6A	SPACER	FRONT JACK	
22	LP21424-001A	FITTING(DVD)		
23	QYSSST3006ZA	TAP SCREW	F.P BOTTOM(x2)	
⚠ 24	LP10578-001A	BOTTOM CHASSIS		
⚠ 25	LP21362-009A	REAR PANEL		
26	QYSDSF3008MA	TAP SCREW	FAN(x2)	
27	QAR0349-001	COOLING FAN		
28	LP30002-0K1A	SPACER	FOOT(x2)	
⚠ 29	LP31485-001A	PROTECT SHEET		
⚠ 30	LV44381-001A	BARRIER		
31	QYSDSG3008ZA	TAP SCREW	SIDE(x2)	
32	LP30002-0F6A	SPACER	FRONT FFC	
33	LP30002-0F6A	SPACER	FRONT WIND	
34	LP21429-001A	DVD BKT		
35	QYSBSG3012MA	TAP SCREW	DRIVE(x4)	400SE
35	QYSBSG3012ZA	TAP SCREW	DRIVE(x4)	300BE,300BEK,300SE,300SEK
36	QYSBSGG3006ZA	TAP SCREW	DVD BKT(x4)	
37	QYSBSGG3006ZA	TAP SCREW	MAIN PWB(x6)	
38	QYSBSGG3006ZA	TAP SCREW	DIGI PWB(x4)	
39	QYSBSGG3006ZA	TAP SCREW	FL PWB(x2)	
40	QYSBSGG3006ZA	TAP SCREW	DV PWB	
41	QYSBSGY3008MA	TAP SCREW	JACK(x7)	
42	QYSBST3004MA	TAP SCREW	TUNER	
43	QYSBSGG3006ZA	TAP SCREW	HDMI BKT(x3)	
44	QYSBSGY3008MA	TAP SCREW	HDMI BKT	
45	QYSBST3004MA	TAP SCREW	HDMI JACK	
⚠ 46	QMP4A10-170-K	POWER CORD	1.7m BLACK	400SE,300BE,300SE
⚠ 46	QMPN330-170-K	POWER CORD(EK)	1.7m BLACK	300BEK,300SEK
47	LP21366-001A	HDD BKT	HDD	
48	LP41279-001A	SPRING	HDD SCREW(x4)	
49	LPH40278-010A	HDD	(SERVICE)	
50	LP41257-001A	DAMPER	HDD(x4)	
51	LP41220-001A	SPECIAL SCREW	HDD(x4)	
52	QYSBSGG3006ZA	TAP SCREW	HDD BKT(x4)	
53	QQR0491-001	FERRITE CORE	AC CORD	
54	LP40769-001A	SPACER	FOR IC1401	
55	LC42166-001A	PC SUPPORT		
56	LP30002-0K7A	SPACER		
57	LP30002-0F6A	SPACER	DVD F.CORE	
58	QQR1634-001	FERRITE CORE	HDD DVD(x2)	
59	LP30002-0F6A	SPACER	FFC F.CORE(x2)	
60	LP30002-0F6A	SPACER	R SIDE FFC	
61	LP21431-001A	SHIELD FRAME	DVD BKT	
62	PMD0120A-C1	MECHA(D)F.ASSY		
63	QGZ0025A1-40	CONNECTOR	DRIVE&HDD	

⚠ Symbol No.	Part No.	Part Name	Description	Local
64	QZW0192-001	WIRE CLAMP	HDD BKT	
WR 1	QUQL05-4040AH-E	FFC WIRE	DRIVE-DIGITAL CN2201	
WR 2	QUQL05-4011AH-E	FFC WIRE	HDD-DIGITAL CN2101	
WR 3	QUQ210-1910CJ-E	FFC WIRE	MAIN CN4103-DIGITAL CN1103	
WR 4	QUQ112-1112CJ-E	FFC WIRE	MAIN CN4001-SW/JACK CN7102	
WR 5	QUQ112-1009CG-E	FFC WIRE	DISPLAY CN7003-OPERATION CN7103	
WR 6	QUQ112-1016CG-E	FFC WIRE	DISPLAY CN7002-SW/JACK CN7101	
WR 7	QJJ015-081903-E	SIN CR C-C WIRE	DRIVE-MAIN CN5302	
WR 8	QJJ032-042614-E	SIN CR C-C WIRE	HDD-MAIN CN5304	
WR 9	QJJ015-044024-E	SIN CR C-C WIRE	MAIN CN3004-HDMI CN2404	

DVD mechanism assembly and parts list

Block No.M2MM



DVD mechanism

Block No. [M][2][M][M]

⚠ Symbol No.	Part No.	Part Name	Description	Local
1	LP10590-002B	LOWER CASE		
2	LP41183-001A	MOTOR PULLEY		
3	QAR0347-001	LOADING MOTOR		
4	LP41117-001A	SCREW	(x2)	
5	LP41290-001A	BELT		
6	LP31519-002A	PULLEY GEAR		
7	LP31521-001A	MIDDLE GEAR		
8	LP31523-001A	MIDDLE GEAR 2		
9	LP31520-001A	DRIVE GEAR		
10	LP21396-001A	SLIDE CAM		
11	LP21397-001A	TRAVERSE HOLDER		
12	QYSDSF2008ZA	TAP SCREW	M2 x 8mm	
13	LP10591-002B	TRAY		
14	LP41287-001A	CUSHION		
15	LP41287-002A	CUSHION		
16	LE40898-001A	SHAFT		
17	LP31522-001A	SHAFT HOLDER		
18	QYSSSF2008ZA	TAP SCREW	M2 x 8mm	
19	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x2)	
20	LP10592-001C	TOP COVER		
21	LP31518-001A	CLAMPER		
22	LP41242-001A	YOKE		
23	LP41243-001A	COVER SHEET		
24	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x4)	
25	LE40901-002A	SPECIAL SCREW	(x4)	
26	QUQL05-45X7AA-E	FFC WIRE	45pin 7.5cm	
27	QUQ210-0516DJ-E	FFC WIRE	5pin 16cm	
28	LP41305-001A	EARTH PLATE	(x2)	
29	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x2)	

Electrical parts list

DC/DC Converter board

Block No. [0][2]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA20041-01A	DC/DC CONVERTER BOARD ASSY		
IC5701	BD9851EFV-X	IC		
IC5710	QS5U27-W	MOS FET		
Q5720	RTQ035P02-W	MOS FET		
D5710	RB520S-30-X	SB DIODE		
D5720	RB520S-30-X	SB DIODE		
D5721	RB051L-40-X	SB DIODE		
C5710	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C5711	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C5712	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5713	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C5714	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C5715	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C5716	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C5720	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C5721	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C5722	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5723	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C5724	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C5725	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C5726	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C5730	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C5731	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C5732	NCB31CK-223X	C CAPACITOR	0.022uF 16V K	
R5710	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R5711	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R5712	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5713	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R5720	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R5721	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R5722	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5723	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5730	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5731	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R5732	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
L5710	NQL82EN-100X	COIL	10uH N	
L5720	NQR0562-001X	CHOKE COIL		
CN5701	QGG2006K1-06	CONNECTOR	(1-6)	
CN5702	QGG2006K1-07	CONNECTOR	(1-7)	
K5710	NQR0499-002X	FERRITE BEADS		
K5720	NQR0499-002X	FERRITE BEADS		

Main board

Block No. [0][3]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10284-28B1	MAIN BOARD ASSY		400SE,300BE,300SE
PW1	LPA10284-29B1	MAIN BOARD ASSY		300BEK,300SEK
IC3001	MN101D10GDK	IC(MCU)	MASK	
IC3002	IC-PST3425U-X	IC		
IC3004	LPN0994-001B-31	IC(EEPROM)	*(REFER TO BELOW)	400SE,300BE,300SE
IC3004	LPN0994-002B-32	IC(EEPROM)	*(REFER TO BELOW)	300BEK,300SEK
IC4001	BH7623KS2	IC		
IC4201	LC74793-E	IC		
IC4202	MM1504XN-X	IC		
IC5101	STR-G6653-F9	IC		
IC5301	TL431/A/-T	IC		
IC5301 or	MM1431AT-T	IC		
IC5301 or	UTCTL431-T	IC		
IC5302	MM1665AH-X	IC		
IC5303	MM1689BH-X	IC		
IC5306	MM1663DH-X	IC		
IC5308	R1171S501B-X	IC		
IC7301	BH7868FS-X	IC		
IC7302	MM1508XN-X	IC		
IC7303	TC74HC4053AF-XE	IC		
IC7303 or	CD74HC4053NS-X	IC		
IC7304	MM1501XN-X	IC		
IC8001	AK5366VQ-W	IC		
IC8201	AK4385VT-X	IC		
IC8201 or	AK4385ET-X	IC		
IC8202	RC4558D-X	IC		
IC8301	LA7151-E	IC		
IC8302	LA7151-E	IC		
IC8303	RC4558D-X	IC		
IC8501	SN74LV08APW-X	IC		
Q3004	2SD601A/QRS/-X	TRANSISTOR		
Q3004 or	2SC2412K/QRS/-X	TRANSISTOR		
Q3004 or	2SC3928A/QRS/-X	TRANSISTOR		
Q3005	UN2211-X	TRANSISTOR		
Q3005 or	DTC114EKA-X	DIGI TRANSISTOR		
Q3005 or	RT1N141C-X	DIGI TRANSISTOR		
Q3007	UN221E-X	TRANSTSTOR		
Q3007 or	DTC144WKA-X	DIGI TRANSISTOR		
Q3007 or	RT1N44HC-X	DIGI TRANSISTOR		
Q4001	2SB709A/QR/-X	TRANSISTOR		
Q4001 or	2SA1037AK/QR/-X	TRANSISTOR		
Q4001 or	2SA1530A/QR/-X	TRANSISTOR		
Q4101	2SD2144S/UV/-T	TRANSISTOR		
Q4101 or	2SC3576-JVC-T	TRANSISTOR		
Q4201	2SD601A/QRS/-X	TRANSISTOR		
Q4201 or	2SC2412K/QRS/-X	TRANSISTOR		
Q4201 or	2SC3928A/QRS/-X	TRANSISTOR		
Q5301	2SC3576-JVC-T	TRANSISTOR		
Q5301 or	2SD2144S/UV/-T	TRANSISTOR		
Q5302	UN2111-X	TRANSISTOR		
Q5302 or	DTA114EKA-X	DIGI TRANSISTOR		
Q5302 or	RT1P141C-X	DIGI TRANSISTOR		
Q5303	UN2211-X	TRANSISTOR		
Q5303 or	DTC114EKA-X	DIGI TRANSISTOR		
Q5303 or	RT1N141C-X	DIGI TRANSISTOR		
Q5304	2SA1585S/QR/-T	TRANSISTOR		
Q5305	UN2211-X	TRANSISTOR		
Q5305 or	DTC114EKA-X	DIGI TRANSISTOR		
Q5305 or	RT1N141C-X	DIGI TRANSISTOR		
Q5306	2SA1585S/QR/-T	TRANSISTOR		
Q5307	2SA1585S/QR/-T	TRANSISTOR		
Q5308	UN2111-X	TRANSISTOR		
Q5308 or	DTA114EKA-X	DIGI TRANSISTOR		
Q5308 or	RT1P141C-X	DIGI TRANSISTOR		
Q5309	UN2211-X	TRANSISTOR		
Q5309 or	DTC114EKA-X	DIGI TRANSISTOR		
Q5309 or	RT1N141C-X	DIGI TRANSISTOR		
Q5310	2SD1858/QR/-T	TRANSISTOR		
Q5311	UN2211-X	TRANSISTOR		
Q5311 or	DTC114EKA-X	DIGI TRANSISTOR		
Q5311 or	RT1N141C-X	DIGI TRANSISTOR		
Q5312	UN2211-X	TRANSISTOR		
Q5312 or	DTC114EKA-X	DIGI TRANSISTOR		
Q5312 or	RT1N141C-X	DIGI TRANSISTOR		
Q5313	2SD601A/QRS/-X	TRANSISTOR		
Q5313 or	2SC2412K/QRS/-X	TRANSISTOR		
Q5313 or	2SC3928A/QRS/-X	TRANSISTOR		
Q5314	UN2111-X	TRANSISTOR		
Q5314 or	DTA114EKA-X	DIGI TRANSISTOR		
Q5314 or	RT1P141C-X	DIGI TRANSISTOR		
Q5315	UN2211-X	TRANSISTOR		
Q5315 or	DTC114EKA-X	DIGI TRANSISTOR		
Q5315 or	RT1N141C-X	DIGI TRANSISTOR		
Q5316	2SC3576-JVC-T	TRANSISTOR		
Q5316 or	2SD2144S/UV/-T	TRANSISTOR		
Q6030	2SB709A/QR/-X	TRANSISTOR		

After exchanging EEPROMs, a main part does not correspond to some remote control commands at Jig RCU mode. Please cancel the Jig RCU mode of a main part after exchanging EEPROMs. Please refer to the "Canceling JIG mode" about the release method.

⚠ Symbol No.	Part No.	Part Name	Description	Local
Q6030	or 2SA1037AK/QR/-X	TRANSISTOR		
Q6030	or 2SA1530A/QR/-X	TRANSISTOR		
Q6031	UN2211-X	TRANSISTOR		
Q6031	or DTC114EKA-X	DIGI TRANSISTOR		
Q6031	or RT1N141C-X	DIGI TRANSISTOR		
Q7301	2SD601A/QRS/-X	TRANSISTOR		
Q7301	or 2SC2412K/QRS/-X	TRANSISTOR		
Q7301	or 2SC3928A/QRS/-X	TRANSISTOR		
Q7302	2SD601A/QRS/-X	TRANSISTOR		
Q7302	or 2SC2412K/QRS/-X	TRANSISTOR		
Q7302	or 2SC3928A/QRS/-X	TRANSISTOR		
Q7310	2SB709A/QR/-X	TRANSISTOR		
Q7310	or 2SA1037AK/QR/-X	TRANSISTOR		
Q7310	or 2SA1530A/QR/-X	TRANSISTOR		
Q7311	2SB709A/QR/-X	TRANSISTOR		
Q7311	or 2SA1037AK/QR/-X	TRANSISTOR		
Q7311	or 2SA1530A/QR/-X	TRANSISTOR		
Q7312	UN221E-X	TRANSTSTOR		
Q7312	or DTC144WKA-X	DIGI TRANSISTOR		
Q7312	or RT1N44HC-X	DIGI TRANSISTOR		
Q7313	UN2211-X	TRANSISTOR		
Q7313	or DTC114EKA-X	DIGI TRANSISTOR		
Q7313	or RT1N141C-X	DIGI TRANSISTOR		
Q7314	UN221E-X	TRANSTSTOR		
Q7314	or DTC144WKA-X	DIGI TRANSISTOR		
Q7314	or RT1N44HC-X	DIGI TRANSISTOR		
Q7315	UN2215-X	TRANSISTOR		
Q7315	or DTC114TKA-X	TRANSISTOR		
Q7315	or RT1N140C-X	DIGI TRANSISTOR		
Q7316	2SB709A/QR/-X	TRANSISTOR		
Q7316	or 2SA1037AK/QR/-X	TRANSISTOR		
Q7316	or 2SA1530A/QR/-X	TRANSISTOR		
Q7317	2SB709A/QR/-X	TRANSISTOR		
Q7317	or 2SA1037AK/QR/-X	TRANSISTOR		
Q7317	or 2SA1530A/QR/-X	TRANSISTOR		
Q7321	UN221T-X	DIGI TRANSISTOR		
Q7321	or DTC124XKA-X	DIGI TRANSISTOR		
Q7321	or RT1N242C-X	DIGI TRANSISTOR		
Q7451	2SC2412K/QRS/-X	TRANSISTOR		
Q7451	or 2SD601A/QRS/-X	TRANSISTOR		
Q7451	or 2SC3928A/QRS/-X	TRANSISTOR		
Q7452	2SA720/QR/-T	TRANSISTOR		
Q8201	UN221E-X	TRANSTSTOR		
Q8201	or DTC144WKA-X	DIGI TRANSISTOR		
Q8201	or RT1N44HC-X	DIGI TRANSISTOR		
Q8202	UN211E-X	DIGI TRANSISTOR		
Q8202	or DTA144WKA-X	TRANSISTOR		
Q8202	or RT1P44HC-X	DIGI TRANSISTOR		
Q8203	2SC2412K/QRS/-X	TRANSISTOR		
Q8203	or 2SD601A/QRS/-X	TRANSISTOR		
Q8203	or 2SC3928A/QRS/-X	TRANSISTOR		
Q8205	2SC2412K/QRS/-X	TRANSISTOR		
Q8205	or 2SD601A/QRS/-X	TRANSISTOR		
Q8205	or 2SC3928A/QRS/-X	TRANSISTOR		
Q8301	2SC2412K/QRS/-X	TRANSISTOR		
Q8301	or 2SD601A/QRS/-X	TRANSISTOR		
Q8301	or 2SC3928A/QRS/-X	TRANSISTOR		
Q8302	2SC2412K/QRS/-X	TRANSISTOR		
Q8302	or 2SD601A/QRS/-X	TRANSISTOR		
Q8302	or 2SC3928A/QRS/-X	TRANSISTOR		
D3002	1SS133-T2	SI DIODE IM		
D3002	or 1SS270A-T2	SI DIODE		
D3003	MTZJ39C-T2	Z DIODE		
D3004	10EDB20-T2	SI DIODE		
D3005	10EDB20-T2	SI DIODE		
D3008	1SS355-X	DIODE C.M		
D3008	or MA111-X	DIODE C.M		
D4001	DA204U-X	SI DIODE		
D4002	DA204U-X	SI DIODE		
D5001	D3SBA60	BRIDGE DIODE		
D5001	or GBJ4J	BRIDGE DIODE		
D5001	or KBJ4J	BRIDGE DIODE		
D5101	SARS01-T2	FR DIODE		
D5103	1F4G-T2	FR DIODE		
D5103	or 10ERB20-T2	FR DIODE		
D5103	or 1SR153-400-T2	SI DIODE		
D5103	or 1F4G-G-T2	FR DIODE		

⚠ Symbol No.	Part No.	Part Name	Description	Local
D5104	1SS133-T2	SI DIODE IM		
D5104	or 1SS270A-T2	SI DIODE		
D5105	1F4G-T2	FR DIODE		
D5105	or 10ERB40-T2	FR DIODE		
D5105	or 1SR153-400-T2	SI DIODE		
D5105	or 1F4G-G-T2	FR DIODE		
D5106	1F4G-T2	FR DIODE		
D5106	or 10ERB20-T2	FR DIODE		
D5106	or 1SR153-400-T2	SI DIODE		
D5106	or 1F4G-G-T2	FR DIODE		
D5201	1F4G-T2	FR DIODE		
D5201	or 10ERB20-T2	FR DIODE		
D5201	or 1SR153-400-T2	SI DIODE		
D5201	or 1F4G-G-T2	FR DIODE		
D5202	1F4G-T2	FR DIODE		
D5202	or 10ERB20-T2	FR DIODE		
D5202	or 1SR153-400-T2	SI DIODE		
D5202	or 1F4G-G-T2	FR DIODE		
D5203	RL2Z-LFB2	FR DIODE		
D5203	or UF202G-F26	FR EIODE		
D5205	RK34-LFB2	FUSEIODE		
D5205	or SB240-B322-3	SB DIODE		
D5206	RK34-LFB2	FUSEIODE		
D5206	or SB240-B322-3	SB DIODE		
D5207	1F4G-T2	FR DIODE		
D5207	or 10ERB20-T2	FR DIODE		
D5207	or 1SR153-400-T2	SI DIODE		
D5207	or 1F4G-G-T2	FR DIODE		
D5208	RK34-LFB2	FUSEIODE		
D5208	or SB240-B322-3	SB DIODE		
D5209	RK34-LFB2	FUSEIODE		
D5209	or SB240-B322-3	SB DIODE		
D5210	RK34-LFB2	FUSEIODE		
D5210	or SB240-B322-3	SB DIODE		
D5211	1F4G-T2	FR DIODE		
D5211	or 10ERB20-T2	FR DIODE		
D5211	or 1SR153-400-T2	SI DIODE		
D5211	or 1F4G-G-T2	FR DIODE		
D5214	RK34-LFB2	FUSEIODE		
D5214	or SB240-B322-3	SB DIODE		
D5301	MTZJ15C-T2	Z DIODE		
D5302	1SS133-T2	SI DIODE IM		
D5302	or 1SS270A-T2	SI DIODE		
D5303	MTZJ27C-T2	Z DIODE		
D5309	MTZJ5.6C-T2	Z DIODE		
D5310	1A3G-T2	SI DIODE		
D5310	or 10EDB20-T2	SI DIODE		
D5310	or 1G3-T2	SI DIODE		
D5311	1F4G-T2	FR DIODE		
D5311	or 10ERB20-T2	FR DIODE		
D5311	or 1SR153-400-T2	SI DIODE		
D5311	or 1F4G-G-T2	FR DIODE		
D5312	1A3G-T2	SI DIODE		
D5312	or 10EDB20-T2	SI DIODE		
D5312	or 1G3-T2	SI DIODE		
D5313	1A3G-T2	SI DIODE		
D5313	or 10EDB20-T2	SI DIODE		
D5313	or 1G3-T2	SI DIODE		
D5314	1A3G-T2	SI DIODE		
D5314	or 10EDB20-T2	SI DIODE		
D5314	or 1G3-T2	SI DIODE		
D5315	MTZJ12B-T2	Z DIODE		
D5320	1S4-T2	SB DIODE		
D5320	or SBO40-T2	SB DIODE		
D6002	HZ30-2L-T2	Z DIODE		
D7304	1SS133-T2	SI DIODE IM		
D7451	DA204U-X	SI DIODE		
D7453	DA204U-X	SI DIODE		
D8001	MA8030/H/-X	Z DIODE		
D8001	or UDZS3.0B-X	Z DIODE		
⚠ PC5101	PS2581AL1/QW/	PHOTO COUPLER		
⚠ PC5101	or PC123Y22FZ	PHOTO COUPLER		
C3001	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C3011	QETL0JM-478	E CAPACITOR	4700uF 6.3V M	
C3020	QERF1CM-106Z	E CAPACITOR	10uF 16V M	
C3021	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C3024	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3029	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3030	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C3031	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C3032	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C3033	QAT3725-300Z	TRIM CAPACITOR	30pF TIMER CLOCK	400SE,300BE,300SE
C3034	NDC31HJ-220X	C CAPACITOR	22pF 50V J	300BEK,300SEK
C3035	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C3037	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3039	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3040	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C3041	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3042	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C4001	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4003	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4005	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4007	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4009	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4010	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4011	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4013	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C4014	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4016	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4017	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4019	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4021	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
C4022	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4023	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4024	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4025	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4026	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4028	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4030	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4032	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4033	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C4036	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C4042	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4044	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C4047	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4065	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C4109	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C4110	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C4201	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M	
C4202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4203	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4204	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4205	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C4206	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C4207	NCB31CK-563X	C CAPACITOR	0.056uF 16V K	
C4208	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C4209	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C4210	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M	
C4216	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4217	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4218	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
⚠ C5001	QFZ9075-683	MPP CAPACITOR	0.068uF AC275V M	
⚠ C5002	QFZ9075-223	MPP CAPACITOR	0.022uF AC275V M	
C5003	QEZ0374-107	E CAPACITOR	100uF 400V M	
⚠ C5004	QCZ9079-222	C CAPACITOR	2200pF AC250V M	
⚠ C5005	QCZ9079-101	C CAPACITOR	100pF AC250V K	
C5102	QCZ0349-472Z	C CAPACITOR	4700pF 1kV K	
C5103	QEZ0619-276Z	E CAPACITOR	27uF	
C5104	QCZ0136-471Z	C CAPACITOR	470pF 1kV K	
C5105	QFLC1HJ-471Z	M CAPACITOR	470pF 50V J	
C5106	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5107	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C5201	QEZ0562-227Z	E CAPACITOR	220uF 6.3V M	
C5202	QEZ0620-186Z	E CAPACITOR	18uF	
C5203	QEZ0701-128	E CAPACITOR	1200uF	
C5204	QEZ0701-128	E CAPACITOR	1200uF	
C5205	QEMT1AM-398	E CAPACITOR	3900uF 10V M	
C5207	QETN2AM-475Z	E CAPACITOR	4.7uF 100V M	
C5208	QEZ0700-228	E CAPACITOR	2200uF 10V M	
C5209	QEMT1AM-338	E CAPACITOR	3300uF 10V M	
C5210	QEZ0620-186Z	E CAPACITOR	18uF	
C5301	QFVF1HJ-154Z	MF CAPACITOR	0.15uF 50V J	
C5302	QFLC1HJ-333Z	M CAPACITOR	0.033uF 50V J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C5304	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C5305	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C5307	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C5308	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C5309	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5310	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C5312	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C5313	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C5314	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C5315	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C5320	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C5322	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C5323	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C5324	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C5325	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C5328	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C5329	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C5330	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C5331	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C5333	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C5334	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C5335	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C5336	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C5339	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C5340	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C5341	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C5351	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C5352	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C5353	NCB11AK-106X	C CAPACITOR	10uF 10V K	400SE,300BE,300SE
C5354	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	400SE,300BE,300SE
C5355	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	400SE,300BE,300SE
C6012	QETJ1AM-227Z	E CAPACITOR	220uF 10V M	
C6014	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6831	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	
C6832	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	
C7202	QETJ0JM-337Z	E CAPACITOR	330uF 6.3V M	
C7301	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7302	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7303	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7307	QEKJ0JM-226Z	E CAPACITOR	22uF 6.3V M	
C7308	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7309	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7310	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7311	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7312	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7313	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7314	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7315	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C7316	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7317	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7318	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7319	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7330	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7331	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7332	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7333	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7336	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C7340	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C7341	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C7345	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7346	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C7347	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C7350	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7351	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7352	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7353	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7357	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7359	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C7365	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C7366	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C7367	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C7368	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C7371	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7388	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7390	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7451	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C7452	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7453	NDC31HJ-101X	C CAPACITOR	100pF 50V J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C7454	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C7455	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C7456	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C8005	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8007	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8008	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8009	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8010	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8011	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8012	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8014	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8021	QERF1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8022	QERF1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8023	QERF0JM-107Z	E CAPACITOR	100uF 6.3V M	
C8024	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8025	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8026	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8027	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C8028	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8029	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8201	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8202	QETJ0JM-477Z	E CAPACITOR	470uF 6.3V M	
C8203	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C8204	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C8205	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C8206	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C8207	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C8208	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C8209	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8210	QETJ1CM-107Z	E CAPACITOR	100uF 16V M	
C8211	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8212	QETJ1CM-107Z	E CAPACITOR	100uF 16V M	
C8215	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C8217	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C8301	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C8302	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8303	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8304	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8305	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8306	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8307	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8308	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8311	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C8312	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8313	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8314	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8315	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8316	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8317	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8318	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8321	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C8322	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8323	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C8324	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8501	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C8502	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8503	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8504	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C8505	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C8506	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R3003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3004	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3005	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3006	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3009	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3010	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3013	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3014	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3015	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3016	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3017	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3018	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3020	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3021	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3022	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3025	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3026	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3027	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3028	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3031	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3032	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3035	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3042	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3045	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3049	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3050	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3053	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3060	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3065	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3067	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3076	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3083	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3084	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R3087	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3088	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3089	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3090	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3091	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3092	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3093	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3094	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3201	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3202	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3204	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3205	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3206	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3207	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R3209	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3213	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R3214	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R3218	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3219	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3220	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3221	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3222	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3223	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3224	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3225	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R3226	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3227	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3229	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3231	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3232	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3233	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3235	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3242	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R4001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4009	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4010	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4013	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R4014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4017	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4021	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4104	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4105	NRSA02J-105X	MG RESISTOR	1MΩ 1/10W J	
R4203	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4206	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4209	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4210	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R4211	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R4215	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4216	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4217	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R4314	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5101	QRG02GJ-683	OMF RESISTOR	68kΩ 2W J	
R5102	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R5103	QRE141J-684Y	C RESISTOR	680kΩ 1/4W J	
R5104	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5105	QRE141J-820Y	C RESISTOR	82Ω 1/4W J	
R5106	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R5107	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R5108	QRT01DJ-R33X	MF RESISTOR	0.33Ω 1W J	
⚠ R5109	QRZ9005-470X	FUSI RESISTOR	47Ω	
R5301	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R5302	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R5303	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R5304	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D	
R5305	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
R5306	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D	
⚠ R5307	QRZ9005-221X	FUSI RESISTOR	220Ω 1/4W G	
R5308	QRE141J-271Y	C RESISTOR	270Ω 1/4W J	
R5309	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R5310	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5311	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R5312	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5313	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R5318	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R5319	QRE141J-150Y	C RESISTOR	15Ω 1/4W J	
R5320	QRE123J-101X	C RESISTOR	100Ω 1/2W J	
R5321	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5322	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5323	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R5324	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5332	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
R5333	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R5334	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R5335	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R5336	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R5337	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5341	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6020	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6021	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6030	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6031	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6080	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7204	QRE121J-151Y	C RESISTOR	150Ω 1/2W J	
R7301	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7302	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7303	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R7304	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7305	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R7309	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7311	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
R7312	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7314	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7317	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7318	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R7319	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R7320	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R7321	QRE141J-271Y	C RESISTOR	270Ω 1/4W J	
R7322	QRE141J-271Y	C RESISTOR	270Ω 1/4W J	
R7335	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7336	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7337	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7338	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7339	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R7340	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R7341	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7342	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7343	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R7344	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R7345	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R7346	NRSA63D-680X	MG RESISTOR	68Ω 1/16W D	
R7347	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R7348	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7349	QRE121J-331Y	C RESISTOR	330Ω 1/2W J	
R7350	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7351	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7352	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R7353	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7354	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7355	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7356	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7357	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R7358	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R7359	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R7360	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R7361	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R7362	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7365	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7366	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7367	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7368	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7378	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7451	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7452	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7453	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7454	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7455	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7456	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7457	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7458	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7459	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R8001	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
R8002	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
R8007	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8008	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8013	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8014	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8015	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8016	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8017	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
R8019	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R8020	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R8021	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R8022	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R8023	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R8024	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R8026	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
R8031	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
R8032	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
R8033	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8034	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8035	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8036	NRSA63J-4R7X	MG RESISTOR	4.7Ω 1/16W J	
R8037	NRSA63J-4R7X	MG RESISTOR	4.7Ω 1/16W J	
R8038	QRE141J-151Y	C RESISTOR	150Ω 1/4W J	
R8040	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R8042	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R8044	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R8045	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8202	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8204	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8205	NRSA63J-4R7X	MG RESISTOR	4.7Ω 1/16W J	
R8206	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8211	NRSA63D-432X	MG RESISTOR	4.3kΩ 1/16W D	
R8212	NRSA63D-432X	MG RESISTOR	4.3kΩ 1/16W D	
R8213	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R8214	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R8215	NRSA63D-121X	MG RESISTOR	120Ω 1/16W D	
R8216	NRSA63D-121X	MG RESISTOR	120Ω 1/16W D	
R8217	NRSA63D-432X	MG RESISTOR	4.3kΩ 1/16W D	
R8218	NRSA63D-432X	MG RESISTOR	4.3kΩ 1/16W D	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R8219	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R8220	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R8221	NRSA63D-121X	MG RESISTOR	120Ω 1/16W D	
R8222	NRSA63D-121X	MG RESISTOR	120Ω 1/16W D	
R8223	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R8224	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R8233	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8234	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8241	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R8242	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R8244	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R8249	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R8250	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R8252	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R8301	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R8302	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R8303	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R8304	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R8305	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R8306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R8307	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R8308	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R8310	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R8313	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R8315	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R8316	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R8321	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R8322	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R8323	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8324	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R8325	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8326	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R8501	NRSA63J-4R7X	MG RESISTOR	4.7Ω 1/16W J	
R8502	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R8503	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R8504	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R8505	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R8506	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R8507	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
L3001	QQL231J-R22Y	COIL	0.22uH J	
L4001	QQL29BJ-100Z	P COIL	10uH J	
L4002	QQL29BJ-100Z	P COIL	10uH J	
L4005	QQL29BJ-100Z	P COIL	10uH J	
L4201	QQL29BJ-100Z	P COIL	10uH J	
L5202	QQL26AK-330Z	COIL	33uH K	
L5203	QQL26AK-330Z	COIL	33uH K	
L5205	QQL26AK-330Z	COIL	33uH K	
L5206	QQL26AK-330Z	COIL	33uH K	
L6002	QQL29BK-1R0Z	P COIL	1uH K	
L6003	QQL29BK-1R0Z	P COIL	1uH K	
L6005	QQL231J-5R6Y	COIL	5.6uH J	
L6701	QQL29BJ-220Z	P COIL	22uH J	
L7201	QQL29BJ-101Z	P COIL	100uH J	
L7302	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
L7303	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
L7305	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
L7306	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
L7311	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
L7312	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
L8501	QQL071J-1R0Y	COIL	1uH J	
⚠ T5001	QQS0334-001	SW TRANSF		
B5504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B5507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B7308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B7310	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B7312	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B7315	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
B7319	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B7338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B7340	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B7451	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B8003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN3001	QGB1231M1-13	CONNECTOR	SW/DISPLAY	
CN3004	QGA2001C1-04	CONNECTOR	HDMI	
CN3901	QGF1207C1-08	CONNECTOR	FOR FLASH	
CN4001	QGF1207C1-11	CONNECTOR	FRONT IN	
CN4101	QGB1231M1-15	CONNECTOR	DIGITAL	
CN4102	QGB1231M1-15	CONNECTOR	DIGITAL	
CN4103	QGF1040C1-19	CONNECTOR	PIN1-19	
⚠ CN5001	QGA7901C3-02	CONNECTOR	AC_IN	
CN5302	QGA2001C1-08	CONNECTOR	DVD JVC	
CN5303	QGA2001C1-02	CONNECTOR	FAN	
CN5304	QGA2501C1-04	CONNECTOR	HDD	
CN5305	LPA20041-01A	D/D CONV P ASSY		
CN7451	QGA2001C1-04	CONNECTOR	G_LINK	
⚠ CP5302	QMFZ054-2R0X-J1	FUSE	2A	
⚠ F5001	QMF5AE2-1R6-J1	FUSE	1.6A AC250V	
FC5001	QNG0020-001Z	FUSE CLIP		
FC5002	QNG0020-001Z	FUSE CLIP		
GN1	QNZ0136-001Z	EARTH PLATE		
GN2	QNZ0136-001Z	EARTH PLATE		
GN3	QNZ0136-001Z	EARTH PLATE		
GN4	QNZ0136-001Z	EARTH PLATE		
GN5	QNZ0136-001Z	EARTH PLATE		
HS1	QZW0155-001	HEAT SINK	IC5101	
J7301	QNZ0516-001	RGB CONNECTOR	AV1	
J7302	QNZ0516-001	RGB CONNECTOR	AV2	
J7304	QNN0701-001	PIN JACK	AUDIO OUT	
J7309	QNN0700-001	PIN JACK	COMPONENT OUT	
J7451	QNS0259-001	3.5 JACK	GLINK/SAT	
J8501	QNN0347-001	SURROUND JACK	COAXIAL OUT	
K8501	NQR0227-004X	FERRITE BEADS		
⚠ LF5001	QQR1031-001	LINE FILTER		
OT1	QYTDST3008ZA	TAP SCREW	M3 x 8mm IC5101	
ST5	QZW0007-001	POST PIN		
TU6001	QAU0401-001	TUNER		
W1	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W2	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W3	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W4	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W5	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W6	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W8	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W9	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W16	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W17	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W18	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W19	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W20	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W22	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W23	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W24	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W25	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W26	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W27	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W28	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W29	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W30	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W31	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W32	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W33	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W34	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W35	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W36	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W38	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W39	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W40	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W41	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W42	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W43	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W44	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W45	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W46	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W47	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W49	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W50	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W51	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W52	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W53	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W54	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
X3001	QAX0728-001	CRYSTAL	14.318180MHz	
X3002	QAX0445-001	CRYSTAL	32.768kHz	400SE,300BE,300SE
X3002	QAX0444-001	CRYSTAL	32.768kHz	300BEK,300SEK
X4201	QAX0849-001	CRYSTAL	4.433619MHz	

Demodulator board

Block No. [1][4]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10292-01A	DEMOD BOARD ASSY		
IC6701	MSP3417GQGB8V3X	IC		
D6701	1SS133-T2	SI DIODE IM		
D6701	or 1SS270A-T2	SI DIODE		
C6704	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C6707	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C6708	NDC31HJ-8R0X	C CAPACITOR	8pF 50V J	
C6709	NDC31HJ-8R0X	C CAPACITOR	8pF 50V J	
C6713	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C6714	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6716	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6719	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M	
C6720	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M	
C6721	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6723	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
R6707	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R6708	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6709	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6710	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6711	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6712	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6713	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R6714	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6715	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R6716	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6719	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R6720	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R6721	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
B6701	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B6702	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B6703	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN6701	QGG2502K1-10	CONNECTOR	(1-10)	
K6701	NQR0129-003X	FERRITE BEADS		
K6702	NQR0129-003X	FERRITE BEADS		
K6705	NQR0129-003X	FERRITE BEADS		
K6706	NQR0129-003X	FERRITE BEADS		
K6708	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
OT1	LP40425-001A	BRACKET(PWB)		
W6701	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
X6701	QAX0773-001Z	CRYSTAL	18.432000MHz	

Operation board

Block No. [2][6]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10281-06A3	OPERATION BOARD ASSY		
IC7101	GP1UM281XKVF	IR DETECT UNIT		
IC7101	or PNA4652M00XB	IR DETECT UNIT	38kHz	
Q7101	2SC1740S/QRS/-T	TRANSISTOR		
Q7101	or KTC3199/YG/-T	TRANSISTOR		
D7101	1SS133-T2	SI DIODE IM		
D7101	or 1SS270A-T2	SI DIODE		
D7102	1SS133-T2	SI DIODE IM		
D7102	or 1SS270A-T2	SI DIODE		
D7103	SDPB3DC0/Z1/	LED	HDD LED	
D7104	SDPC3DC0	LED	DVD LED	
D7105	1SS133-T2	SI DIODE IM		
D7105	or 1SS270A-T2	SI DIODE		
D7106	SDPB3DC0/Z1/	LED	BLUE LIGHT	
C7101	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
R7102	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R7103	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
R7104	QRE141J-392Y	C RESISTOR	3.9kΩ 1/4W J	
R7105	QRE141J-182Y	C RESISTOR	1.8kΩ 1/4W J	
R7106	QRE141J-270Y	C RESISTOR	27Ω 1/4W J	
CN7103	QGF1208F1-10	CONNECTOR	FFC/FPC (1-10)	
OT1	LP31478-001A	LED HOLDER	FOR D7106	
OT2	LP41267-001A	SHRINK TUBE	FOR LED	
S7101	QSW0381-001Z	TACT SWITCH	OPERATION	
S7102	QSW0381-001Z	TACT SWITCH	HDD	
S7103	QSW0381-001Z	TACT SWITCH	REC	
S7104	QSW0381-001Z	TACT SWITCH	DVD	

Switch/Jack board

Block No. [2][7]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10281-06A2	SWITCH/JACK BOARD ASSY		
D7113	1SS133-T2	SI DIODE IM		
D7113	or 1SS270A-T2	SI DIODE		
D7114	1SS133-T2	SI DIODE IM		
D7114	or 1SS270A-T2	SI DIODE		
D7115	1SS133-T2	SI DIODE IM		
D7115	or 1SS270A-T2	SI DIODE		
D7116	1SS133-T2	SI DIODE IM		
D7116	or 1SS270A-T2	SI DIODE		
D7117	1SS133-T2	SI DIODE IM		
D7117	or 1SS270A-T2	SI DIODE		
C7152	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C7154	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
R7151	QRE141J-750Y	C RESISTOR	75Ω 1/4W J	
R7152	QRE141J-750Y	C RESISTOR	75Ω 1/4W J	
R7153	QRE141J-750Y	C RESISTOR	75Ω 1/4W J	
R7154	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R7155	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
CN7101	QGF1207C1-10	CONNECTOR	FFC/FPC (1-10)	
CN7102	QGF1207C1-11	CONNECTOR	FFC/FPC (1-11)	
J7001	QND0084-001	S JACK	FRONT S-VIDEO	
J7002	QNN0364-002	PIN JACK	FRONT A/V	
S7111	QSW0381-001Z	TACT SWITCH	NAVI	
S7112	QSW0381-001Z	TACT SWITCH	CH+/UP	
S7113	QSW0381-001Z	TACT SWITCH	CH-/DOWN	
S7114	QSW0381-001Z	TACT SWITCH	RIGHT/PLAY	
S7115	QSW0381-001Z	TACT SWITCH	LEFT/STOP	
S7131	QSW0381-001Z	TACT SWITCH	TV GUIDE	
S7132	QSW0381-001Z	TACT SWITCH	OPEN/CLOSE	
S7133	QSW0381-001Z	TACT SWITCH	STOP	
S7134	QSW0381-001Z	TACT SWITCH	PLAY	
S7135	QSW0381-001Z	TACT SWITCH	OK/REC	

Display board

Block No. [2][8]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10281-06A1	DISPLAY BOARD ASSY		
IC7001	PT6315	IC		
D7021	MTZJ9.1B-T2	Z DIODE		
C7001	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C7002	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C7003	QEKJ1HM-106Z	E CAPACITOR	10uF 50V M	
C7007	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C7008	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M	
C7010	QCFB1HZ-473Y	C CAPACITOR	0.047uF 50V Z	
C7011	QCFB1HZ-473Y	C CAPACITOR	0.047uF 50V Z	
R7001	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7002	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7003	QRE141J-823Y	C RESISTOR	82kΩ 1/4W J	
R7005	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R7006	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R7007	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R7009	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7010	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7013	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R7014	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R7015	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
CN7001	QGB1231L1-13	CONNECTOR	B-B (1-13)	
CN7002	QGF1208F1-10	CONNECTOR	FFC/FPC (1-10)	
CN7003	QGF1207C1-10	CONNECTOR	FFC/FPC (1-10)	
DI7001	QLF0159-001	FL TUBE		
HD1	LP21359-001A	FL HOLDER(L)		
HD2	LP21360-001A	FL HOLDER(U)		

Jack board

Block No. [3][6]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10281-06A4	JACK BOARD ASSY		
B4221	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B4222	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B4223	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B4224	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN4204	QGB1231M1-09	CONNECTOR	DIGITAL	
GN4201	QNZ0136-001Z	EARTH PLATE	FOR ESD	
J4212	QNZ0675-001	DV CONNECTOR	F-DV	
K4205	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K4207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

HDMI board

Block No. [4][0]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10301-01C	HDMI BOARD ASSY		400SE,300BE
PW1	LPA10301-02A	HDMI BOARD ASSY		300BEK,300SE,300SEK
IC2401	SII9030CTU	IC		
IC2402	MM1563DF-X	IC		
IC2403	LD2981ABM50-X	IC		
IC2404	UM6K1N-W	MOS FET		
IC2405	PIC18LF2515T-X	IC(MCU)		400SE,300BE
IC2405	PIC18LF2515A4-X	IC(MCU)		300BEK,300SE,300SEK
IC2406	BH18MA3WHFV-W	IC		
Q2401	2SC4081/QRS/-X	TRANSISTOR		
Q2401 or	2SD1819A/QRS/-X	TRANSISTOR		
Q2402	2SC4081/QRS/-X	TRANSISTOR		
Q2402 or	2SD1819A/QRS/-X	TRANSISTOR		
Q2403	2SA1037AK/QR/-X	TRANSISTOR		
Q2403 or	2SA1530A/QR/-X	TRANSISTOR		
Q2403 or	2SB709A/QR/-X	TRANSISTOR		
Q2404	UN221E-X	TRANSTSTOR		
Q2404 or	DTC144WKA-X	DIGI TRANSISTOR		
Q2404 or	RT1N44HC-X	DIGI TRANSISTOR		
C2401	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2402	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2403	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C2404	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2405	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C2406	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C2407	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C2408	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C2409	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2410	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2411	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C2412	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2413	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2414	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2415	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C2416	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2417	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2418	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2419	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2420	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C2421	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C2422	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C2425	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2426	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2427	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2428	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2429	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2430	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2431	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2432	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2433	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
R2401	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2402	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2403	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2404	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2405	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2406	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2407	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2408	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2409	NRSA63F-4750X	MG RESISTOR	475Ω 1/16W F	
R2410	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2411	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2412	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2413	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2414	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2415	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2416	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R2417	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2418	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2419	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2420	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2421	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2423	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2424	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2425	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2426	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2427	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2428	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2429	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2430	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2431	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R2432	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R2433	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2434	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2435	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2436	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2437	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2438	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2440	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2443	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2444	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2445	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R2447	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2448	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2449	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2450	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2451	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2452	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2453	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2454	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2455	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2457	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2458	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2459	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2460	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2462	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2463	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2464	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L2401	NQL144K-100X	P COIL	10uH K	
CN2401	QGB0605L1-40W	CONNECTOR	B-B (1-40)	
CN2402	QGF1016C6-05W	CONNECTOR	FFC/FPC (1-5)	
CN2403	NNZ0099-001	HDMI CONNECTOR		
CN2404	QGA2001F6-04X	CONNECTOR	W-B (1-4)	
K2401	NQR0129-002X	FERRITE BEADS		
K2402	NQR0129-002X	FERRITE BEADS		
K2403	NQR0129-002X	FERRITE BEADS		
K2404	NQR0129-002X	FERRITE BEADS		
K2405	NQR0129-002X	FERRITE BEADS		
K2406	NQR0129-002X	FERRITE BEADS		
K2407	NQR0129-002X	FERRITE BEADS		
K2408	NQR0129-002X	FERRITE BEADS		
LF2401	NQR0560-001X	EMI FILTER		
LF2402	NQR0560-001X	EMI FILTER		
LF2403	NQR0560-001X	EMI FILTER		
LF2404	NQR0560-001X	EMI FILTER		
SD1	LP21420-001B	SHIELD CASE		
X2401	NAX0803-001X	CRYSTAL		

Digital board

Block No. [5][0]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10300-10B	DIGITAL BOARD ASSY		
IC1001	JCP8059-2	IC		
IC1002	HY57V161610ETP7	IC		
IC1002 or	K4S161622H-UC60	IC		
IC1201	LPN0967-001A	IC(FLASH)	(SERVICE)	
IC1202	SN74LVC373APW-X	IC(DIGITAL)		
IC1203	SN74LVC373APW-X	IC(DIGITAL)		
IC1401	DMN8652-B0L	IC(DIGITAL)		
IC1404	SN74HCT08APW-X	IC		
IC1601	HY5DU561622DT-J	IC		
IC1602	HY5DU561622DT-J	IC		
IC1603	HY5DU561622DT-J	IC		
IC1604	HY5DU561622DT-J	IC		
IC1701	BD3533F-X	IC		
IC1801	TSB41AB1PAP	IC		
IC1901	TVP5150AM1PBS-W	IC		

⚠ Symbol No.	Part No.	Part Name	Description	Local
Q1001	2SA1530A/QR/-X	TRANSISTOR		
Q1001 or	2SA1037AK/QR/-X	TRANSISTOR		
Q1001 or	2SB709A/QR/-X	TRANSISTOR		
Q1002	2SA1530A/QR/-X	TRANSISTOR		
Q1002 or	2SA1037AK/QR/-X	TRANSISTOR		
Q1002 or	2SB709A/QR/-X	TRANSISTOR		
Q1003	2SA1530A/QR/-X	TRANSISTOR		
Q1003 or	2SA1037AK/QR/-X	TRANSISTOR		
Q1003 or	2SB709A/QR/-X	TRANSISTOR		
Q1006	2SA1530A/QR/-X	TRANSISTOR		
Q1006 or	2SA1037AK/QR/-X	TRANSISTOR		
Q1006 or	2SB709A/QR/-X	TRANSISTOR		
Q1008	BC847PN-X	PAIR TRANSISTOR		
Q1008 or	UMZ1N-W	PAIR TRANSISTOR		
Q1008 or	BC846PN-X	PAIR TRANSISTOR		
Q1009	2SC3928A/QRS/-X	TRANSISTOR		
Q1009 or	2SC2412K/QRS/-X	TRANSISTOR		
Q1009 or	2SD601A/QRS/-X	TRANSISTOR		
Q1010	2SC3928A/QRS/-X	TRANSISTOR		
Q1010 or	2SC2412K/QRS/-X	TRANSISTOR		
Q1010 or	2SD601A/QRS/-X	TRANSISTOR		
Q1011	2SC3928A/QRS/-X	TRANSISTOR		
Q1011 or	2SC2412K/QRS/-X	TRANSISTOR		
Q1011 or	2SD601A/QRS/-X	TRANSISTOR		
Q1301	2SA1037AK/QR/-X	TRANSISTOR		
Q1301 or	2SA1530A/QR/-X	TRANSISTOR		
Q1301 or	2SB709A/QR/-X	TRANSISTOR		
Q1304	2SC2412K/QRS/-X	TRANSISTOR		
Q1304 or	2SC3928A/QRS/-X	TRANSISTOR		
Q1304 or	2SD601A/QRS/-X	TRANSISTOR		
D1001	1SS355-X	DIODE C.M		
D1001 or	MA111-X	DIODE C.M		
D1401	1SS355-X	DIODE C.M		
D1401 or	MA111-X	DIODE C.M		
D1402	1SS355-X	DIODE C.M		
D1402 or	MA111-X	DIODE C.M		
D1403	1SS355-X	DIODE C.M		
D1403 or	MA111-X	DIODE C.M		
D2101	SML-010LT-X	LED		
D2101 or	SML-010MT-X	LED		
D2201	SML-010LT-X	LED		
D2201 or	SML-010MT-X	LED		
C1001	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C1002	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1003	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1005	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1007	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1009	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1010	NDC31HJ-4R0X	C CAPACITOR	4pF 50V J	
C1012	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1014	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1015	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1018	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1019	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C1026	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1032	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1033	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1034	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1035	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1036	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1041	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1042	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1043	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1044	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1045	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1046	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1047	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1048	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1049	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1050	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1051	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1052	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1055	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C1065	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C1077	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C1088	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1090	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1093	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1094	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1095	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1097	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1098	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1203	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1204	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C1206	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1207	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1301	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C1302	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1307	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1310	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C1315	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C1316	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C1323	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C1401	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1403	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1404	NEHM0JM-107X	E CAPACITOR	100uF 6.3V M	
C1408	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1411	NEHM0JM-107X	E CAPACITOR	100uF 6.3V M	
C1412	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1413	NEHM0JM-107X	E CAPACITOR	100uF 6.3V M	
C1414	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1415	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1417	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1420	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1421	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1422	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1424	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1427	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1428	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1429	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1430	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1435	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1436	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1438	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1439	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1444	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1445	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1446	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1447	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1448	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C1452	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1453	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1454	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1455	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1457	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1459	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1460	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C1461	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C1462	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1464	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1466	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1467	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1470	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1471	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1472	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1473	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1474	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1601	NEX60GM-337X	E CAPACITOR	330uF 4V M	
C1606	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1607	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1608	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1609	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1610	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1611	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1612	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1614	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1615	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1616	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1618	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1619	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1620	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1622	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C1623	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1624	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1625	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1626	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1627	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1628	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1630	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1631	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1632	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1633	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1634	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1635	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1636	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1641	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1642	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1643	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1644	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1645	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1646	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1647	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1648	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1649	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1701	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1702	NEHM0JM-476X	E CAPACITOR	47uF 6.3V M	
C1704	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1706	NBE20JM-476X	TA E CAPACITOR	47uF 6.3V M	
C1707	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C1708	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1709	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1710	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1801	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1802	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C1803	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1804	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1805	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1806	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1807	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1808	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C1809	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C1810	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1811	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1812	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1813	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1814	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1815	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1816	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1901	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C1902	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1903	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1905	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1906	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C1907	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C1908	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C1909	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1910	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1911	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
R1001	NRSA63D-301X	MG RESISTOR	300Ω 1/16W D	
R1003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1007	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1009	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1016	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1021	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	
R1022	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D	
R1024	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D	
R1027	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1028	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D	
R1030	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1031	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1032	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1033	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1036	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1037	NRSA63D-151X	MG RESISTOR	150Ω 1/16W D	
R1039	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1040	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D	
R1042	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R1043	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D	
R1046	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1050	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1051	NRSA63D-181X	MG RESISTOR	180Ω 1/16W D	
R1054	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	
R1056	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1057	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1059	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1060	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1061	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1064	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1067	NRSA63J-620X	MG RESISTOR	62Ω 1/16W J	
R1068	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R1069	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R1070	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D	
R1071	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D	
R1222	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1225	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1226	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1229	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1230	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1231	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1303	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1308	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1401	NRSA63F-1181X	MG RESISTOR	1.18kΩ 1/16W F	
R1402	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1404	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1407	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R1408	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1409	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1410	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1412	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1413	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1414	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1415	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1417	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1419	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1420	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R1427	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1428	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1429	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1430	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1431	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1434	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1435	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1436	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1437	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1438	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1439	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1440	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1441	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1443	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1445	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1446	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1448	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1450	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R1451	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R1452	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R1453	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1455	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1456	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1457	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1458	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1459	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1460	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1461	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1462	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1463	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1464	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1465	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1467	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1469	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1470	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1472	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1473	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1474	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1475	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1476	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1478	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1479	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1480	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1481	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R1483	NRSA63J-621X	MG RESISTOR	620Ω 1/16W J	
R1491	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1601	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1602	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1613	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1614	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1615	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1616	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1617	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1618	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1619	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1620	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1621	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1622	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1623	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1624	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1625	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1626	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1627	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1628	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1629	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1630	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1631	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1632	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1653	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1654	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1655	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1656	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1657	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1658	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1659	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1660	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1801	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1802	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1803	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1804	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1807	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1809	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1810	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R1813	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1814	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1815	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1816	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1817	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R1818	NRSA63D-562X	MG RESISTOR	5.6kΩ 1/16W D	
R1819	NRSA63D-751X	MG RESISTOR	750Ω 1/16W D	
R1820	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1821	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1901	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1902	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1903	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1904	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1907	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1912	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1913	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R2101	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2102	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2103	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2104	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2105	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R2106	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R2107	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R2108	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R2109	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R2110	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R2111	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2112	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2113	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2114	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2115	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2116	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R2201	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2202	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2203	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2204	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2205	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R2206	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R2207	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R2208	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R2209	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R2210	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R2211	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2212	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2213	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2214	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2215	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2216	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
RA1401	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1402	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1403	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1404	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1405	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1406	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1609	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1610	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1611	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1612	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1613	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1614	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1615	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1616	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1617	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1618	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1619	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1620	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1621	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1622	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1623	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1624	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1625	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1626	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1627	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1628	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1629	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1630	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1631	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1632	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1633	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1634	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1801	NRZ0087-103W	NET RESISTOR	10kΩ 1/16W J	
RA1802	NRZ0087-103W	NET RESISTOR	10kΩ 1/16W J	
RA2101	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J	
RA2102	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J	
RA2103	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J	
RA2104	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J	
RA2208	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J	
RA2209	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J	
RA2210	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J	
RA2211	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J	
L1001	NQL085J-100X	COIL	10uH J	
T1801	NQR0568-005X	CHOKE COIL		
B1202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B1208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B1405	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
B1701	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B1901	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN1101	QGB1231L2-15W	CONNECTOR	28PIN STR	
CN1102	QGB1231L2-15W	CONNECTOR	20PIN STR	
CN1103	QGF1016C6-19W	CONNECTOR	FFC/FPC (1-19)	
CN1403	QGF1016C6-04W	CONNECTOR	LOG	
CN1501	QGB0605M1-40W	CONNECTOR	B-B (1-40)	
CN1801	QGB1231L2-09W	CONNECTOR	B-B (1-9)	
CN2101	QGF0508C2-40W	CONNECTOR	HDD	
CN2201	QGF0508C2-40W	CONNECTOR	F/T F_END	
K1001	NQR0022-002X	FERRITE BEADS		
K1002	NQR0022-002X	FERRITE BEADS		
K1003	NQR0022-002X	FERRITE BEADS		
K1004	NQR0022-002X	FERRITE BEADS		
K1005	NQR0022-002X	FERRITE BEADS		
K1006	NQR0022-002X	FERRITE BEADS		
K1007	NQR0022-002X	FERRITE BEADS		
K1008	NQR0022-002X	FERRITE BEADS		
K1009	NQR0022-002X	FERRITE BEADS		
K1010	NQR0022-002X	FERRITE BEADS		
K1011	NQR0022-002X	FERRITE BEADS		
K1012	NQR0022-002X	FERRITE BEADS		
K1013	NQR0022-002X	FERRITE BEADS		
K1014	NQR0022-002X	FERRITE BEADS		
K1015	NQR0022-002X	FERRITE BEADS		
K1016	NQR0022-002X	FERRITE BEADS		
K1019	NQR0022-005X	FERRITE BEADS		
K1020	NQR0022-005X	FERRITE BEADS		
K1021	NQR0022-002X	FERRITE BEADS		
K1022	NQR0022-005X	FERRITE BEADS		
K1023	NQR0022-002X	FERRITE BEADS		
K1024	NQR0022-002X	FERRITE BEADS		
K1025	NQR0022-002X	FERRITE BEADS		
K1026	NQR0022-002X	FERRITE BEADS		
K1027	NQR0022-002X	FERRITE BEADS		
K1029	NQR0022-002X	FERRITE BEADS		
K1030	NQR0022-002X	FERRITE BEADS		
K1404	NQR0564-001X	FERRITE BEADS		
K1406	NQR0564-001X	FERRITE BEADS		
K1501	NQR0022-002X	FERRITE BEADS		
K1502	NQR0022-002X	FERRITE BEADS		
K1503	NQR0022-002X	FERRITE BEADS		
K1504	NQR0022-002X	FERRITE BEADS		
K1505	NQR0022-002X	FERRITE BEADS		
K1506	NQR0022-002X	FERRITE BEADS		
K1507	NQR0022-002X	FERRITE BEADS		
K1508	NQR0022-002X	FERRITE BEADS		
K1509	NQR0022-002X	FERRITE BEADS		
K1510	NQR0022-002X	FERRITE BEADS		
K1511	NQR0022-002X	FERRITE BEADS		
K1512	NQR0022-002X	FERRITE BEADS		
K1513	NQR0022-002X	FERRITE BEADS		
K1514	NQR0022-002X	FERRITE BEADS		
K1515	NQR0022-002X	FERRITE BEADS		
K1516	NQR0022-002X	FERRITE BEADS		
K1517	NQR0022-002X	FERRITE BEADS		
K1518	NQR0022-002X	FERRITE BEADS		
K1519	NQR0022-002X	FERRITE BEADS		
K1520	NQR0022-002X	FERRITE BEADS		
K1521	NQR0022-002X	FERRITE BEADS		
K1522	NQR0022-002X	FERRITE BEADS		
K1523	NQR0022-002X	FERRITE BEADS		
K1524	NQR0022-002X	FERRITE BEADS		
K1525	NQR0022-002X	FERRITE BEADS		
K1526	NQR0022-002X	FERRITE BEADS		
K1527	NQR0022-002X	FERRITE BEADS		
K1528	NQR0022-002X	FERRITE BEADS		
K1529	NQR0022-002X	FERRITE BEADS		
K1701	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1702	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1801	NQR0564-001X	FERRITE BEADS		
K1803	NQR0564-001X	FERRITE BEADS		
K2101	NQR0022-002X	FERRITE BEADS		
K2102	NQR0022-002X	FERRITE BEADS		
K2103	NQR0022-002X	FERRITE BEADS		
K2104	NQR0022-002X	FERRITE BEADS		
K2105	NQR0022-002X	FERRITE BEADS		
K2106	NQR0022-002X	FERRITE BEADS		
K2107	NQR0022-002X	FERRITE BEADS		
K2108	NQR0022-002X	FERRITE BEADS		
K2109	NQR0022-002X	FERRITE BEADS		
K2110	NQR0022-002X	FERRITE BEADS		
K2111	NQR0022-002X	FERRITE BEADS		
K2112	NQR0022-002X	FERRITE BEADS		
K2113	NQR0022-002X	FERRITE BEADS		
K2114	NQR0022-002X	FERRITE BEADS		
K2115	NQR0022-002X	FERRITE BEADS		
K2116	NQR0022-002X	FERRITE BEADS		
K2117	NQR0022-002X	FERRITE BEADS		
K2118	NQR0022-002X	FERRITE BEADS		
K2119	NQR0022-002X	FERRITE BEADS		

⚠ Symbol No.	Part No.	Part Name	Description	Local
K2120	NQR0022-002X	FERRITE BEADS		
K2121	NQR0022-002X	FERRITE BEADS		
K2201	NQR0022-002X	FERRITE BEADS		
K2202	NQR0022-002X	FERRITE BEADS		
K2203	NQR0022-002X	FERRITE BEADS		
K2204	NQR0022-002X	FERRITE BEADS		
K2205	NQR0022-002X	FERRITE BEADS		
K2206	NQR0022-002X	FERRITE BEADS		
K2207	NQR0022-002X	FERRITE BEADS		
K2208	NQR0022-002X	FERRITE BEADS		
K2209	NQR0022-002X	FERRITE BEADS		
K2210	NQR0022-002X	FERRITE BEADS		
K2211	NQR0022-002X	FERRITE BEADS		
K2212	NQR0022-002X	FERRITE BEADS		
K2213	NQR0022-002X	FERRITE BEADS		
K2214	NQR0022-002X	FERRITE BEADS		
K2215	NQR0022-002X	FERRITE BEADS		
K2216	NQR0022-002X	FERRITE BEADS		
K2217	NQR0022-002X	FERRITE BEADS		
K2218	NQR0022-002X	FERRITE BEADS		
K2219	NQR0022-002X	FERRITE BEADS		
K2220	NQR0022-002X	FERRITE BEADS		
K2221	NQR0022-002X	FERRITE BEADS		
LC1401	NQR0512-008X	EMI FILTER		
LC1402	NQR0512-008X	EMI FILTER		
LC1403	NQR0512-008X	EMI FILTER		
OT1	QQR1689-002	FERRITE PLATE		
X1301	NAX0733-001X	CRYSTAL	14.31818MHz	
X1402	NAX0768-001X	CRYSTAL	13.5MHz	
X1801	NAX0666-001X	CRYSTAL	24.576000MHz	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R4405	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4411	NRSA63D-204X	MG RESISTOR	200kΩ 1/16W D	
R4412	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R4413	NRSA63D-753X	MG RESISTOR	75kΩ 1/16W D	
R4414	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J	
R4415	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4416	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4417	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4418	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4419	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4420	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
CN4402	QGG2502K1-12	CONNECTOR	(1-12)	
OT1	LP40425-001A	BRACKET(PWB)		

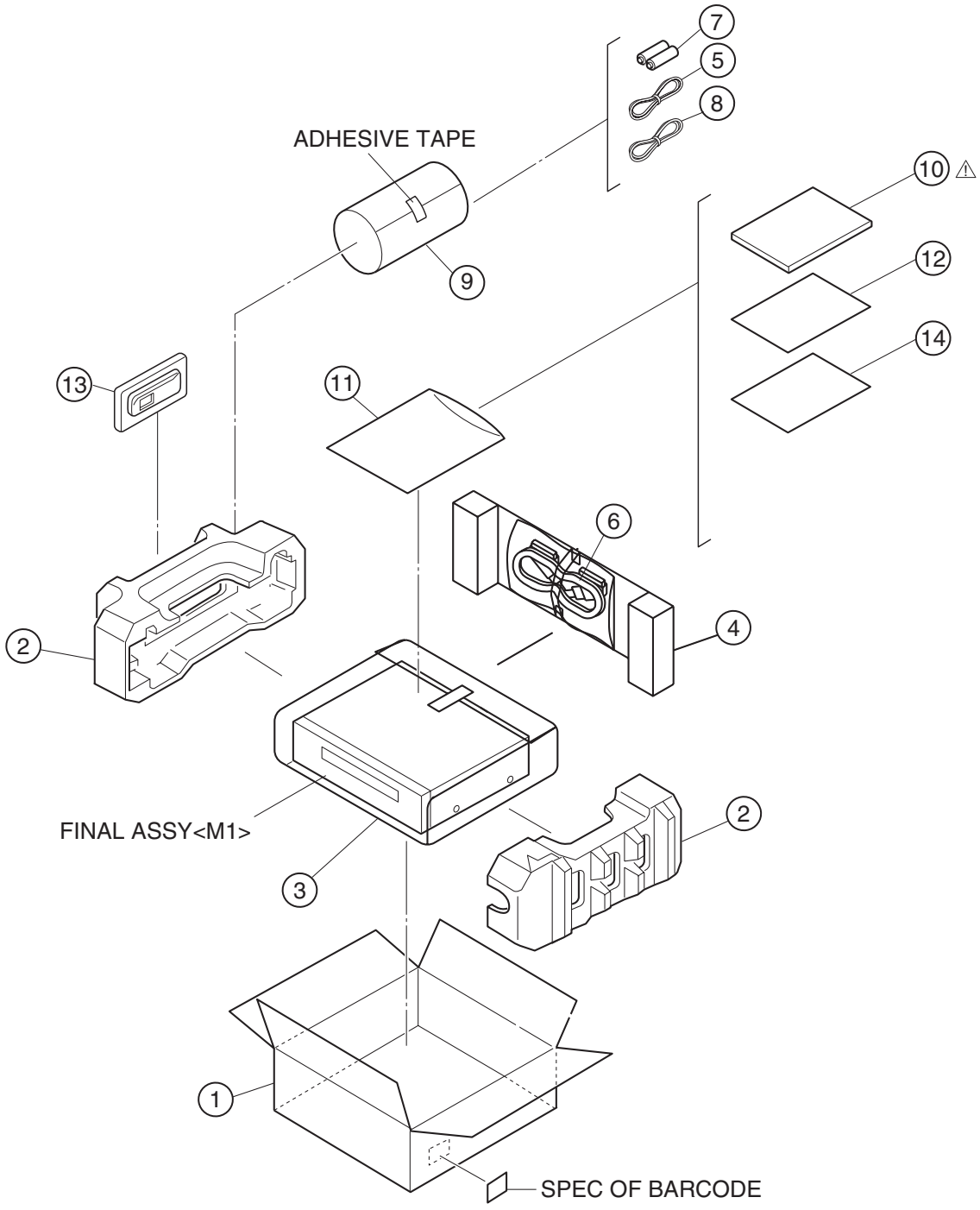
RGB_YC Converter board

Block No. [6][8]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10291-01B	RGB_YC CONVERTER BOARD ASSY		
IC4401	BH7236AF-X	IC		
IC4402	MM1503XN-X	IC		
IC4403	74HC4538D-X	IC		
IC4404	BA7666FS-X	IC		
D4401	RB717F-X	SB DIODE		
C4401	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C4403	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4404	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4405	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4406	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4407	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4408	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C4409	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4410	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C4411	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4412	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4413	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4417	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4418	NDC21HJ-103X	C CAPACITOR	0.01uF 50V J	
C4419	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C4420	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C4421	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4422	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4423	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4424	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
R4401	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4402	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R4403	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4404	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	

Packing materials and accessories parts list

Block No.M3MM



Packing and accessories

Block No. [M][3][M][M]

⚠ Symbol No.	Part No.	Part Name	Description	Local
1	LP31492-012A	PACKING CASE		400SE
1	LP31492-011A	PACKING CASE		300BE
1	LP31508-005A	PACKING CASE		300BEK
1	LP31492-008A	PACKING CASE		300SE
1	LP31508-003A	PACKING CASE		300SEK
2	LP31494-001B	CUSHION ASSY		
3	QPC06005515P	POLY BAG	60cm x 55cm	
4	LP31399-003A	SHEET ASSY		300BEK,300SEK
5	QAM0503-002	RF CABLE		
6	QAM0502-002	PERI CABLE		
7	----------	BATTERY	R6TYPE(x2)	
8	QAL0805-001	LED CABLE ASSY		
9	QPC02202230P	POLY BAG	ACCESSORY	
⚠ 10	LPT1068-001A	INST.BOOK	(GERMANY)	400SE
⚠ 10	LPT1089-001B	INST.BOOK	(ENGLISH)	300BE,300SE
⚠ 10	LPT1089-002B	INST.BOOK	(GERMANY)	300BE,300SE
⚠ 10	LPT1089-003B	INST.BOOK	(FRENCH)	300BE,300SE
⚠ 10	LPT1089-004B	INST.BOOK	(DUTCH)	300BE,300SE
⚠ 10	LPT1089-006A	INST.BOOK	(ITALIAN)	300BE,300SE
⚠ 10	LPT1089-005A	INST.BOOK	(SPANISH)	300BE,300SE
⚠ 10	LPT1089-007A	INST.BOOK	(DANISH)	300BE,300SE
⚠ 10	LPT1089-008A	INST.BOOK	(FINNISH)	300BE,300SE
⚠ 10	LPT1089-009A	INST.BOOK	(SWEDISH)	300BE,300SE
⚠ 10	LPT1089-010A	INST.BOOK	(NORWEGIAN)	300BE,300SE
⚠ 10	LPT1089-011A	INST.BOOK	(PORTUGUESE)	300BE,300SE
⚠ 10	LPT1089-012A	INST.BOOK	(CZECH)	300BE,300SE
⚠ 10	LPT1089-013A	INST.BOOK	(POLISH)	300BE,300SE
⚠ 10	LPT1089-014A	INST.BOOK	(HUNGARIAN)	300BE,300SE
⚠ 10	LPT1049-001A	INST.BOOK	(ENGLISH)	300BEK,300SEK
11	QPC02503530P	POLY BAG	INST	
12	----------	WARRANTY CARD	BT-54029-1	
13	RM-SDR033E	REMOCON UNIT		
14	LYT0194-001B	Q.CARD		300BEK,300SEK

JVC

SCHEMATIC DIAGRAMS

HDD & DVD VIDEO RECORDER

DR-MH300BE2, DR-MH300BEK2, DR-MH300SE2, DR-MH300SEK2, DR-ED400SE2

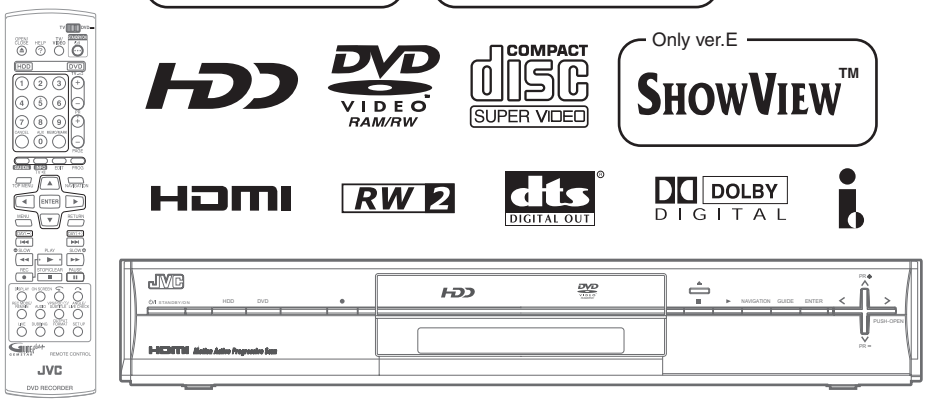
CD-ROM No.SML200602

Area Suffix
E ------- Continental Europe
Northern Europe
EK ---------- U.K.

Only ver.E,EK

Only ver.EK

Only ver.E



DR-MH300BE2, DR-MH300BEK2, DR-MH300SE2,
DR-MH300SEK2, DR-ED400SE2 [D5HR10]

Since the whole mechanism assembly unit is replaced, the DVD recorder mechanism of this unit need not be adjusted.

This model is a model to whom the DVD drive unit and some parts are changed based on DR-MH300B,DR-MH300S,DR-ED400S.
Please see page 1-3 about details and the distinction method.
For details other than those described in this manual, please refer to the DR-MH300B,DR-MH300S,DR-ED400S service manual (Issue No.YD089 2005/12).

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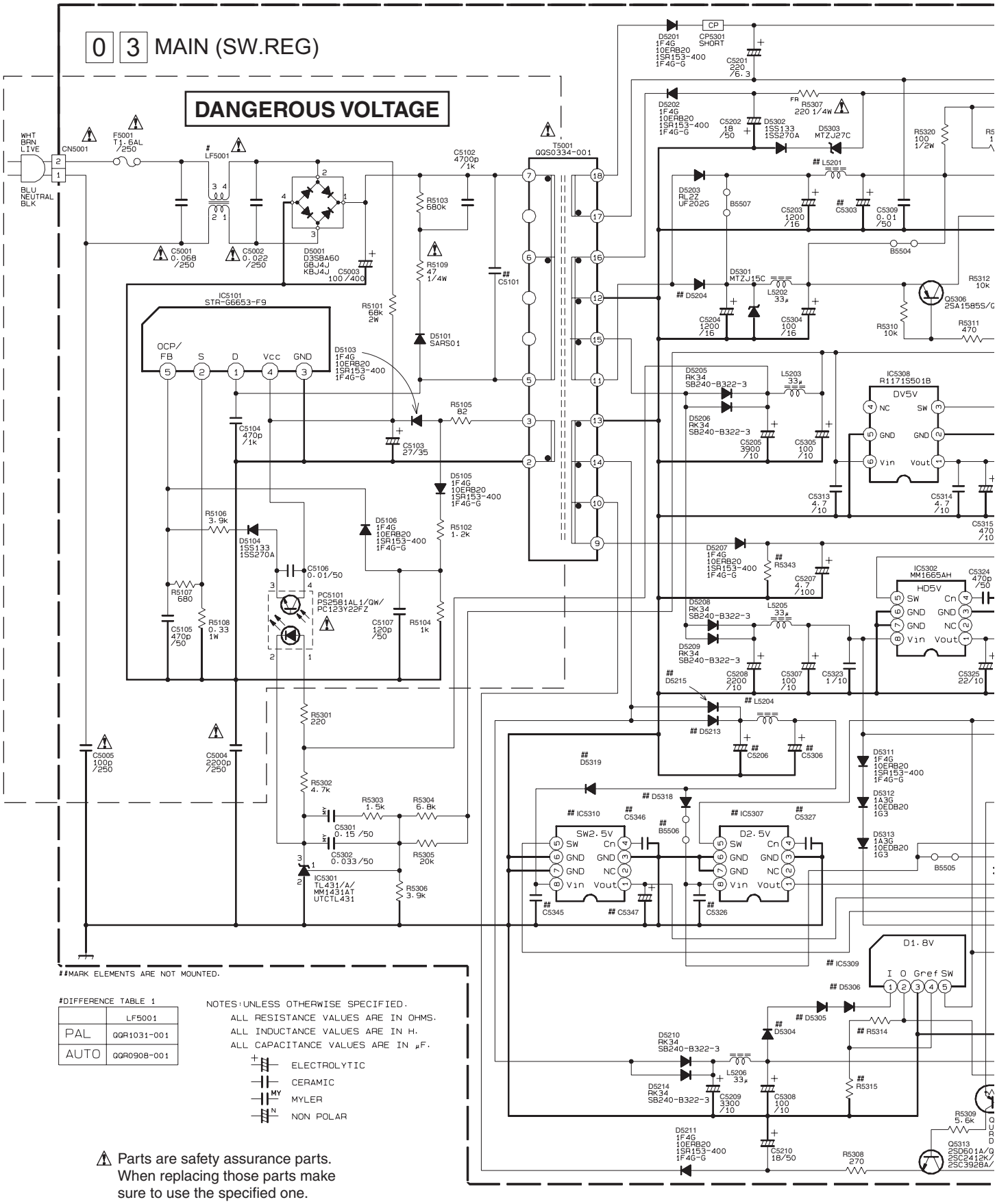
No.YD089BSCH
2006/2

Standard schematic diagrams

■ Power supply section



##MARK ELEMENTS ARE NOT MOUNTED.

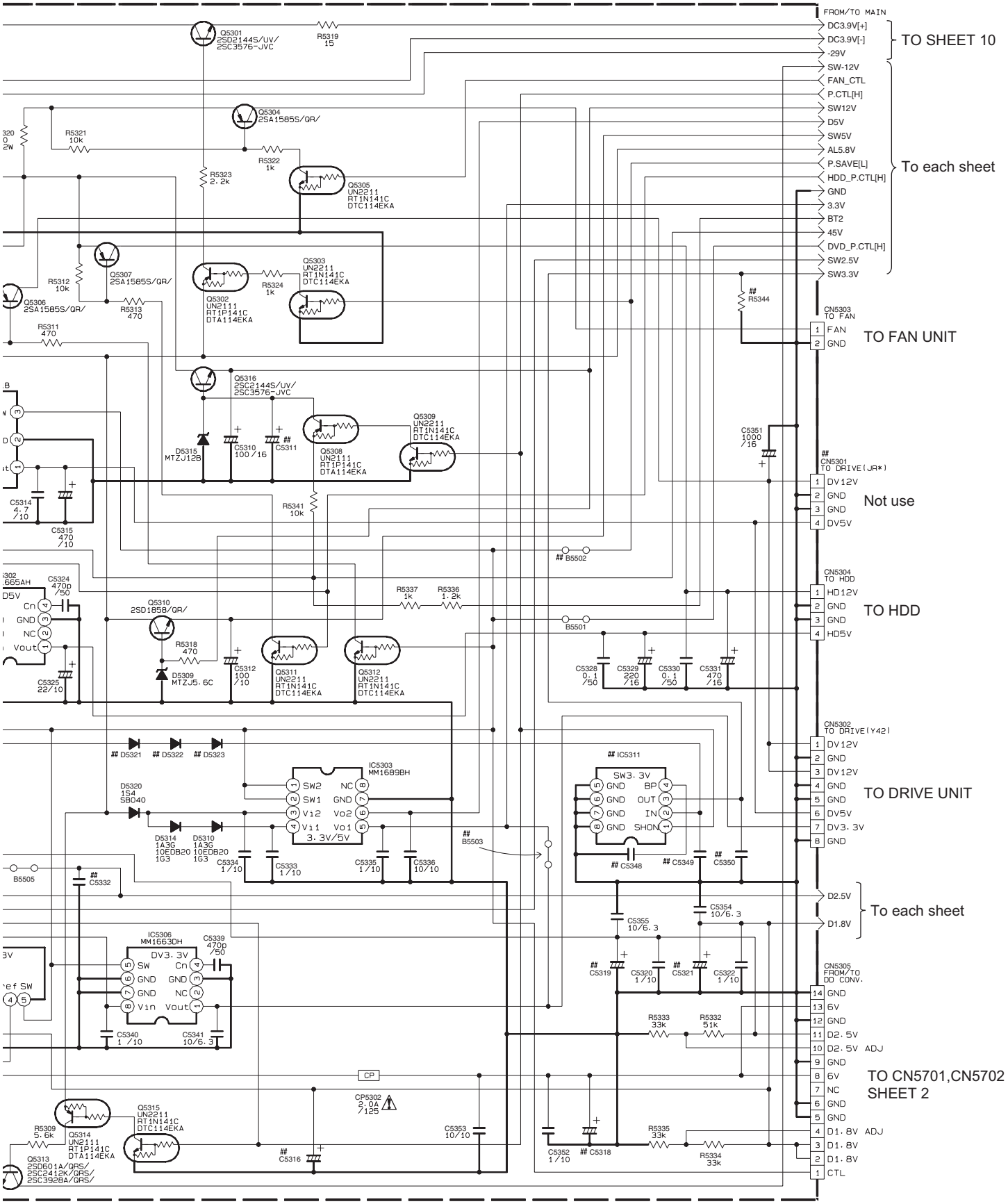
#DIFFERENCE TABLE 1

	LF5001
PAL	QQR1031-001
AUTO	QQR0908-001

NOTES:UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN µF.

+ ELECTROLYTIC
CERAMIC
MY MYLER
N NON POLAR

⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.



p20518001a_rev0

SHEET 1

JVC

Victor Company of Japan, Limited
Digital Video Storage Category 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

No.YD089BSCH

Printed in Japan
VPT

JVC

SERVICE MANUAL

HDD&DVD VIDEO RECORDER

DR-MH300BE, DR-MH300BEK, DR-MH300SE,DR-MH300SEF, DR-MH300SEK,DR-MH300SER, DR-ED400SE

Area Suffix

E ------- Continental Europe
Northern Europe
EF ---------- France
EK ---------- U.K.
ER ---- Russian Federation

Only ver.E,EF,EK

Only ver.EK

Only ver.ER

Only ver.E,EF,ER

DR-MH300BE, DR-MH300BEK, DR-MH300SE, DR-MH300SEF,
DR-MH300SEK, DR-MH300SER, DR-ED400SE [D5HR10]

Since the whole mechanism assembly unit is replaced, the DVD recorder mechanism of this unit need not be adjusted.

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3 DISASSEMBLY 1-7
4 ADJUSTMENT 1-10
5 TROUBLESHOOTING 1-11

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No.YD089
2005/12

SPECIFICATION

	DR-MH300SER	DR-MH300BE,DR-MH300SE,DR-ED400SE	DR-MH300SEF	DR-MH300BEK,DR-MH300SEK
GENERAL				
Power requirement	AC 220 V - 240 V~, 50 Hz/60 Hz			
Power consumption	Power on : 36 W Power off : 6.4 W			
Temperature	Operating : 5°C to 35°C Storage : -20°C to 60°C			
Operating position	Horizontal only			
Dimensions (W × H × D)	435 mm × 70 mm × 300 mm			
Weight	4.6 kg			
VIDEO/AUDIO (DVD Deck)				
Recordable disc	DVD-RAM 12 cm (4.7 GB/9.4 GB*1),DVD-RAM 8 cm (1.4 GB/2.8 GB*2),DVD-R 12 cm (4.7 GB),DVD-R 8 cm (1.4 GB),DVD-RW 12 cm (4.7 GB),DVD-RW 8 cm (1.4 GB) *1 9.4 GB double-sided discs *2 2.8 GB double-sided discs			
Recording format	DVD-RAM : DVD Video Recording format DVD-R : DVD Video format, DVD Video Recording format DVD-RW : DVD Video format, DVD Video Recording format			
Recording time	Maximum 8 hours (with 4.7 GB disc) (XP) : Approx. 1 hour, (SP) : Approx. 2 hours, (LP) : Approx. 4 hours, (EP) : Approx. 6 hours, (FR) : Approx. 1 hour - 8 hours			
Audio recording system	Dolby Digital (2 ch) Linear PCM (XP mode only)			
Video recording compression system	MPEG2 (CBR/VBR)			
VIDEO/AUDIO (HDD Deck)				
Capacity	160 GB			
Recording time	(DV) : Approx. 11 hours,(XP) : Approx. 34 hours,(SP) : Approx. 69 hours,(LP) : Approx. 138 hours, (EP) : Approx. 209 hours,(FR480) : Approx. 300 hours			
Audio recording system	Dolby Digital (2 ch) Linear PCM (XP mode only)			
Video recording compression system	MPEG2 (VBR)			
Input/Output				
21-pin SCART connectors	IN/OUT X 1, IN/DECODER X 1			
S-video input	Y:1.0 Vp-p,75 ohms C : 0.3Vp-p, 75 ohms			
Video input	1.0 Vp-p, 75 ohms (pin jack)			
Audio input	2 Vrms (pin jack)			
i.Link	4-pin for DV Input/Output			
Component video output	Y : 1.0 Vp-p, 75 ohms PB/PR: 0.7 Vp-p, 75 ohms Corresponding to copy protection			
HDMI output	19-pin, Corresponding to HDCP Video : 576i/576p/1080i/720p Audio : 2 ch PCM/Bitstream			
Digital audio output	Coaxial Corresponding to Dolby Digital and DTS Digital Surround, Bit stream Selectable in digital audio output setting menu			
G-LINK	-	3.5 mm Jack		
TUNER/TIMER				
Tuning system	Frequency synthesised tuner			
Signal system	PAL/SECAM colour signal, 625 lines/50 fields			PAL colour signal,625 lines/50 fields
TV channel storage capacity	99 positions (+AUX position)			
Channel coverage (SECAM-L)	-		VHF(LOW):49 MHz-65 MHz(2-4) VHF(HIGH):104 MHz-300 MHz(5-10CATV) Hyper:300 MHz-470 MHz(CATV) UHF:470 MHz-862 MHz(21-69)	-
Channel coverage(PAL)	VHF : 47 MHz - 89 MHz/ 104 MHz - 300 MHz/ 302 MHz - 470 MHz UHF : 470MHz - 862MHz		VHF(LOW):47 MHz-89 MHz (E2-E4,X,Y,Z) VHF(HIGH):104 MHz-300 MHz (E5-E12,S1-S20,M1-M10,U1-U10) Hyper:302 MHz-470 MHz(S21-S41) UHF:470 MHz-862 MHz(E21-E69)	VHF : 44.5MHz - 143MHz/ 143MHz - 470MHz/ UHF : 470MHz - 862MHz
Memory backup time	Approx. 10 minutes.			

E.& O.E. Design and specifications subject to change without notice.

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SECTION 1
PRECAUTION

1.1 Safety Precautions

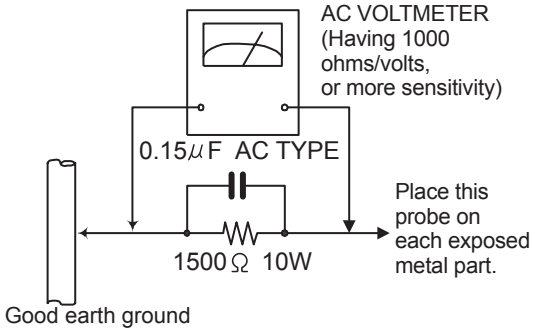
(1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturers warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.

(4) The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.

(5) Leakage shock hazard testing
After reassembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.Do not use a line isolation transformer during this check.
- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).
- Alternate check method
Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000Ω per volt or more sensitivity in the following manner. Connect a 1,500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground.
Measure the AC voltage across the resistor with the AC voltmeter.
Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Voltage measured any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



1.2 Warning

(1) This equipment has been designed and manufactured to meet international safety standards.
(2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
(3) Repairs must be made in accordance with the relevant safety standards.
(4) It is essential that safety critical components are replaced by approved parts.
(5) If mains voltage selector is provided, check setting for local voltage.

1.3 Caution

Burrs formed during molding may be left over on some parts of the chassis.
Therefore, pay attention to such burrs in the case of preforming repair of this system.

1.4 Critical parts for safety

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (▬), diode (▮) and ICP (●) or identified by the " ⚠ " mark nearby are critical for safety. When replacing them, be sure to use the parts of the same type and rating as specified by the manufacturer.
(This regulation dose not Except the J and C version)

1.5 Important for laser products

1.CLASS 1 LASER PRODUCT

2.DANGER : Invisible laser radiation when open and inter lock failed or defeated. Avoid direct exposure to beam.

3.CAUTION : There are no serviceable parts inside the Laser Unit. Do not disassemble the Laser Unit. Replace the complete Laser Unit if it malfunctions.

4.CAUTION : The CD,MD and DVD player uses invisible laser radiation and is equipped with safety switches which prevent emission of radiation when the drawer is open and the safety interlocks have failed or are defeated. It is dangerous to defeat the safety switches.

5.CAUTION : If safety switches malfunction, the laser is able to function.

6.CAUTION : Use of controls, adjustments or performance of procedures other than those specified here in may result in hazardous radiation exposure.

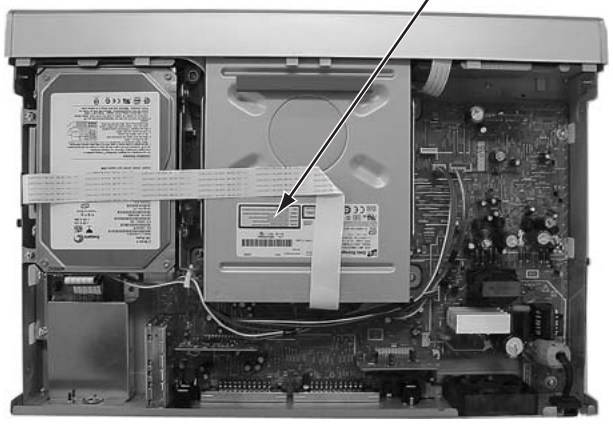
⚠ ***CAUTION*** **Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.**

CAUTION : Visible and invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSUREBTO BEAM.	**VARNING :** Synlig och osynlig laserstråling när den öppnas och spärren är urkopplad. Betrakta ej strålen.
ADVARSEL : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling.	**VARO :** Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymätttömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi.

REPRODUCTION AND POSITION OF LABEL

CAUTION	VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM. DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.
ADVARSEL	SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING. UNDGÅ UDSAETTELSE FOR STRÅLING SE IKKE IND I STRÅLEN - HELLER IKKE MED OPTISKE INSTRUMENTER.
ADVARSEL	SYNLIG OG USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES. UNDGÅ EKSPONERING FOR STRÅLEN STIRR IKKE INN I STRÅLEN ELLER SE DIREKTE MED OPTISKE INSTRUMENTER.
VARO!	AVATTAESSA OLET ALTTIINA NÄKYVÄÄ JA NÄKYMÄTÖN LASERSÄTEILYLLE. ÄLÄ TUIJOTA SÄTEESEEN ÄLÄKÄ KATSO SITÄ OPTISEN LAITTEEN LÄPI.
VARNING	SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. STRÅLEN ÄR FARLIG STIRRA EJ IN I STRÅLEN OCH BETRAKTA EJ STRÅLEN MED OPTISKA INSTRUMENT.

On mechaism assembly



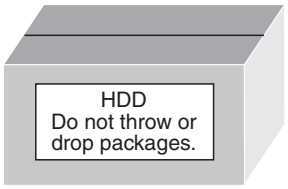
1.6 Hard Disk Drive (HDD) Handling Precautions

The HDD is a precision device for use in reading and writing a large amount of data on or from a disk rotating at a high speed. If it is not handled carefully, either abnormal operation may result or it may not be possible to read data. The HDD is sensitive to the following items and special care is required in safeguarding against them when handling an HDD. Also take care in handling a set incorporating an HDD.

(1) Vibrations and impacts
(2) Static electricity
(3) Rough handling

1.6.1 Handling in transport, etc.

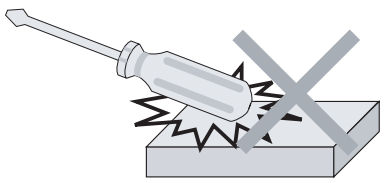
- Be sure to place the HDD in the manufacturer's specified package carton before transport.
- When receiving a package containing an HDD, check that the package carton is not damaged (such as having holes in the carton, crushed corners, etc.).
- Do not impact the packaging carton when loading or unloading it.
- It is not permitted to use the inner package carton only for transporting an HDD.
- Do not stack package cartons one upon another.



Be sure to package and transport the HDDs correctly.

1.6.2 Handling an HDD in the stand-alone status

- When handling an HDD on a hard workbench, place an antistatic mat (rubber sheet) or similar object on the hard surface (to prevent any impacts occurring between the HDD and bench).
- Do not stack the HDDs one upon another.
- Do not knock an HDD with a hard object (such as a screwdriver).
- Do not place an HDD on its side panel without using a support (do not place an HDD in an unstable position).



1.6.3 Handling the installation of an HDD

- Place antistatic mats or similar sheets on all of the surfaces on which work is conducted or when the HDD is transported.
- Do not permit the HDD to knock against the set's brackets.
- When screwing the brackets, be careful not to knock the HDD. When using a power screwdriver, use a low-shock model and arrange the tightening torque properly.
- When mounting an HDD in a main body, take care not to apply excessive force to the brackets.

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3
DISASSEMBLY

3.1 Main body section

3.1.1 Remove the top cover (See figure 1)

(1) Remove the four screws **A** attaching the top cover on both sides of the main body.
(2) Remove the five screws **B** attaching the top cover on the back of the main body.
(3) Raise the both sides and lower part of the rear of the top cover, with opening them slightly in an outward direction. And the top cover will be removed.

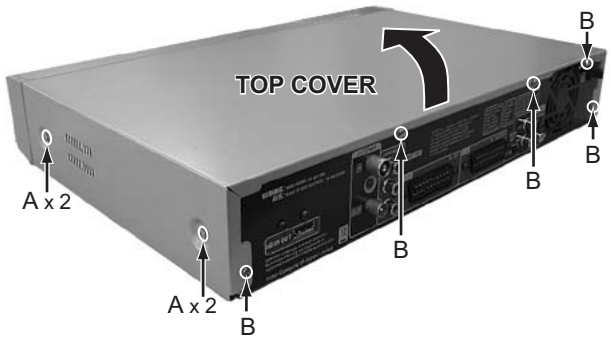


Fig.1

3.1.2 Remove the front panel assembly and HDD (See figure 2, figure 3, figure 4)

- Prior to performing the following procedure, remove the top cover.
- There is no need to remove the drive unit.

(1) Remove the four screws **C** attaching the HDD.
(2) Disconnect the card wire from connector CN2201 on the digital board.
(3) Disconnect the socket wire from connector CN5304 on the main board.
(4) Disconnect the card wire from connector on the HDD.
(5) Disconnect the card wire from connector CN4001 on the main board.
(6) Disconnect the card wires from connector CN7002, CN7003 on the display board.
(7) Remove the two screws **D** attaching the front panel assembly.
(8) Hooks **a** and **b** are removed respectively, and the front panel assembly is removed.

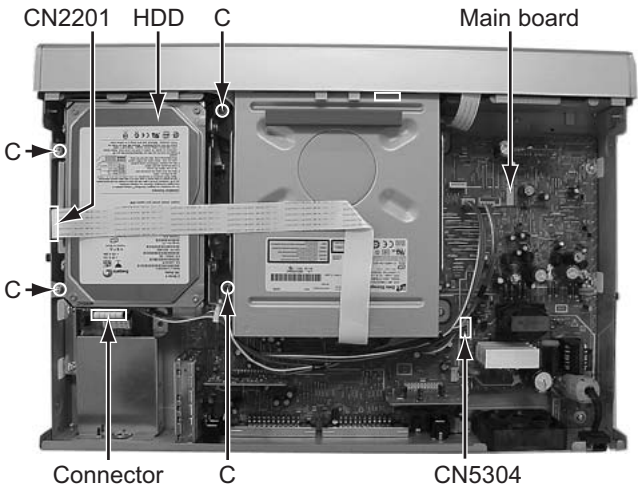


Fig.2

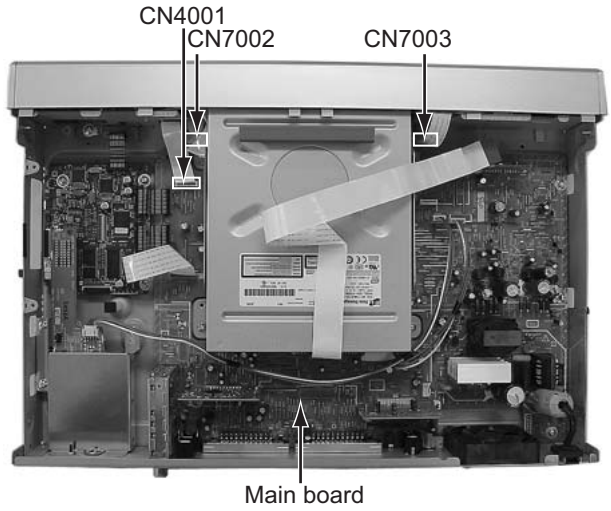


Fig.3

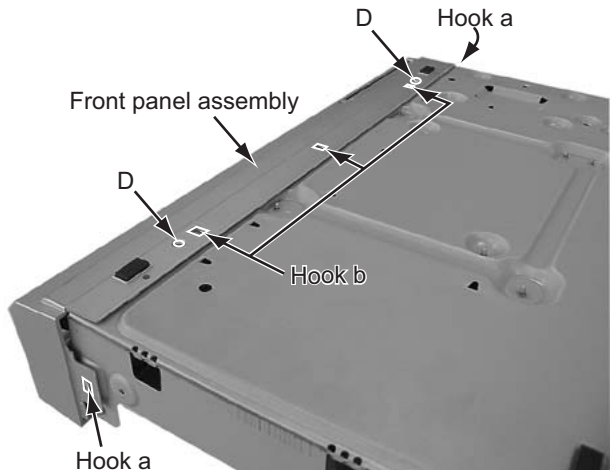


Fig.4

3.1.3 Remove the drive unit (See figure 5)

- Prior to performing the following procedure, remove the top cover.
- There is no need to remove the front panel assembly.

(1) Disconnect the socket wire from connector CN5301 on the main board.
(2) Disconnect the card wire from connector CN2201 on the digital board.
(3) Remove the four screws **E** attaching the drive unit.

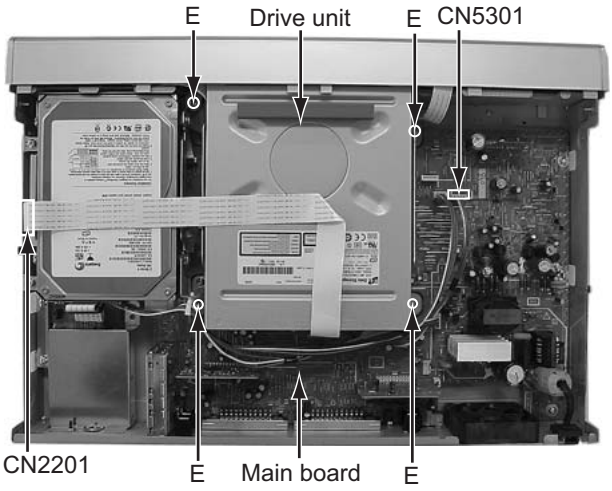


Fig.5

3.1.4 Remove the HDMI board and digital board (See figure 6, figure 7)

- Prior to performing the following procedure, remove the top cover and HDD.

(1) Disconnect the socket wire from connector CN2404 on the HDMI board.
(2) Remove the three screws **F** attaching the HDMI board.
(3) Remove the two screws **G** (**G1, G2**) attaching the HDMI board from rear side.
(4) Disconnect the connector from CN2401 on the HDMI board from digital board.
(5) Disconnect the card wire from connector CN1103 on the digital board.
(6) Disconnect the socket wire from connector CN1101, CN1102, CN1801 on the digital board.
(7) Remove the four screws **H** attaching the digital board.

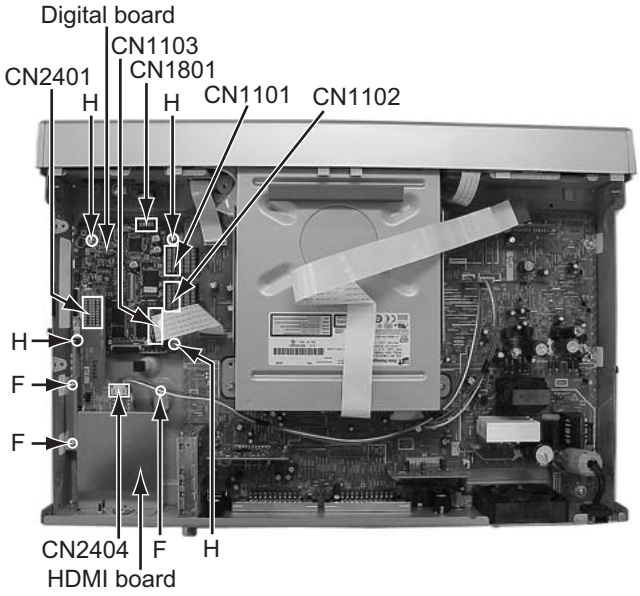
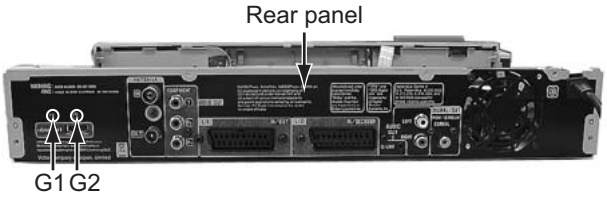


Fig.6



Torque
Please note tightening too much.
G1 --- 0.784 N-m +- 0.078N-m (8.0 kgf-cm +- 0.8 kgf-cm)
G2 --- 0.25 N-m ~ 0.35N-m (2.6 kgf-cm ~ 3.6 kgf-cm)

Fig.7

3.1.5 Remove the main board (See figure 8, figure 9)

- Prior to performing the following procedure, remove the top cover, drive unit, HDD.
  (1) Disconnect the card wire from connector CN4103, CN4001 on the main board.
  (2) Disconnect the socket wire from connector CN1101, CN1102, CN7001 on the digital board and display board.
  (3) Disconnect the socket wire from connector CN3004, CN5303 on the main board.
  (4) Disconnect the power cord from connector CN5001 on the main board.
  (5) Remove the six screws **I** attaching the main board.
  (6) Remove the seven screws **J** attaching the rear panel with main board.
  (7) Remove the one screw **K** attaching the tuner.

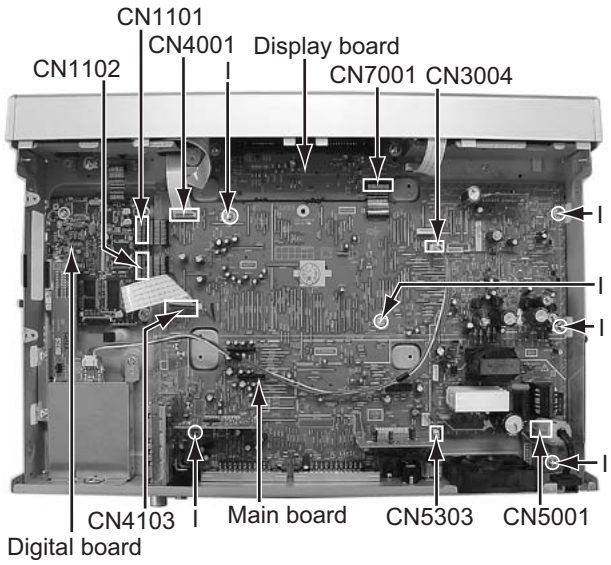


Fig.8

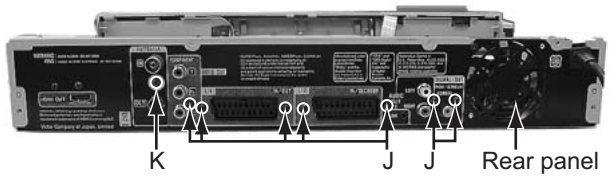


Fig.9

3.1.6 Remove the display board (See figure 10)

- Prior to performing the following procedure, remove the top cover, drive unit, HDD, front panel assembly.
  (1) Disconnect the socket wire from connector CN7001 on the display board.
  (2) Remove the two screws **L** attaching the display board.

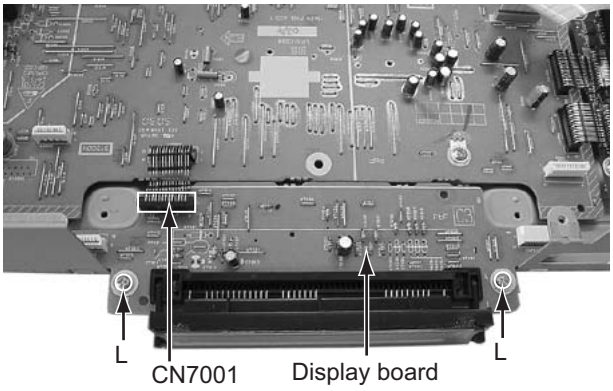


Fig.10

SECTION 4
ADJUSTMENT

4.1 Timer clock adjustment (for only ver.E,ER)

If an error comes to arise for a clock, the following procedure will adjust.

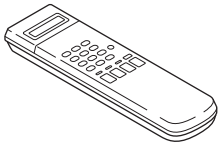
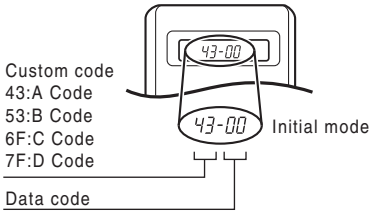
Signal	(A1)	No signal
Mode	(B)	EE
Equipment	(C)	Frequency counter
Measuring point	(D1) (D2) (D3)	IC3001 pin 29 IC3001 pin 83 C3021 + and -
Adjustment part	(F)	C3033 (TIMER CLOCK)
Specified value	(G1)	1024.008 ±0.001 Hz (976.5549 ±0.0010 usec)

(1) Connect the frequency counter to the measuring point (D1).
(2) Connect the short wire between the short point (D2) and Vcc (5V).
(3) Short the leads of capacitor (D3) once in order to reset the microprocessor of the system controller.
(4) Disconnect the short wire between the short point (D2) and Vcc then connect it again.
(5) Adjust the Adjustment part (F) so that the output frequency becomes the specified value (G).

SECTION 5
TROUBLESHOOTING

5.1 JIG Mode

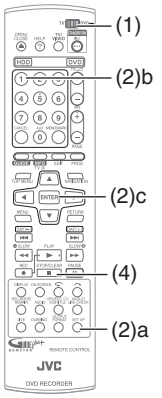
The following remote control units are required to set and cancel JIG mode.
For setting : a remote control unit attached to product.
For cancellation : JIG remote control unit (part number : PTU94023B)

Remote control unit attached to product	JIG remote control unit
	 JIG remote control unit [Data transmission] Set the data code, and then press the ") " 3 button. 

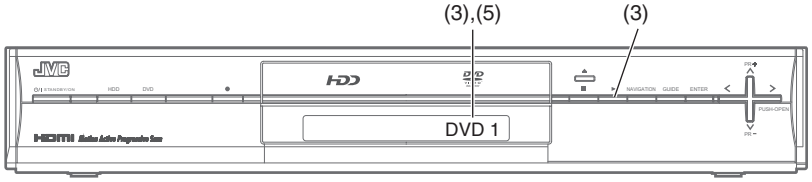
When the main body is set to JIG mode and when the main body is under JIG mode, the remote control unit attached to product operates only in "Remote Control Code 1". Since main body is in "Remote Control Code 3" when it is shipped and just after its batteries are changed, "Remote Control Code 3" needs to be changed to "Remote Control Code 1."

< Changing Remote Control Code >

(1) The switch of remote controller is switched to the DVD side.
(2) Press the numeric button "1" of the remote control unit while pressing the "SET UP" button of the remote control unit. Then, press the "ENTER" button, and then release the "SET UP" button.
(3) Press the "PLAY" button of the main body for five seconds or longer while the main body is in stand-by mode, and a current remote control code of the main body is displayed in FL indicator of the main body.
(4) While keeping the state of (3), press the "STOP" button of the remote control unit toward the main body.
(5) The code that was set by the remote control unit blinks for 5 seconds, before the code is set to the main body. When the FL indicator changes to “DVD 1”, it shows that the Remote Control Code has been changed to “1”.



"(2) a-c" shows the order of pressing the buttons.



5.1.1 Setting JIG mode

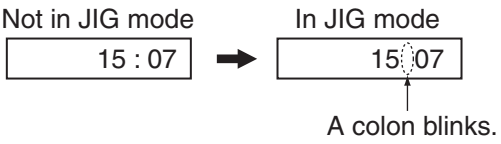
To display SYSTEM INFO or to update firmware, the main body needs to be set to JIG mode.

(1) Turn the main body ON.

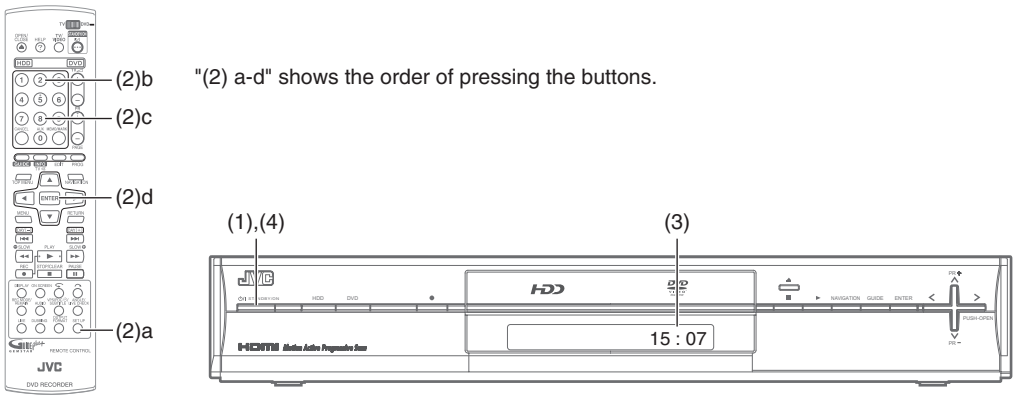
(2) Press the buttons of the remote control unit attached to product in the following order : "SET UP" → "2" → "8" → "ENTER"

(3) When a colon ":" between "hour" and "minute" of a clock in FL indicator blink, it means that the main body has been set to JIG mode properly.

[Example]



(4) Turn the main body OFF, and then turn it ON again.
*Once the main body is set to JIG mode, the JIG mode cannot be cancelled even if the power cord is pulled out from the wall socket.



5.1.2 Canceling JIG mode

(1) Transmit "43-9D" to the main body by using JIG remote control unit.(Please end a setting menu pushing “SET UP” button of the remote control unit appended to the commodity beforehand when a setting menu is displayed.)

(2) A colon ":" between "hour" and "minute" of a clock in FL indicator light.

(3) Turn the main body OFF, and then turn it ON again.

NOTE:

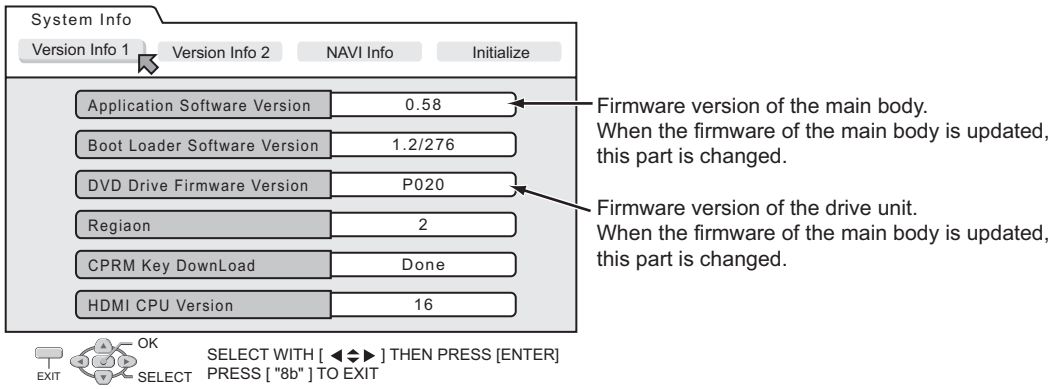
After repair work, be sure to cancel JIG mode. Before returning product to a user, confirm that a colon ":" between "hour" and "minute" of a clock in FL indicator light.

5.2 Displaying SYSTEM INFO

In the SYSTEM INFO there is information including Firmware Versions of the main body and the drive unit.

(1) Set the main body to JIG mode.
(2) Transmit "43-8B" to the main body by using JIG remote control unit.(Please end a setting menu pushing “SET UP” button of the remote control unit appended to the commodity beforehand when a setting menu is displayed.)
(3) SYSTEM INFO menu is displayed in the television screen.
(4) To move cursor in SYSTEM INFO, use the "▲", "▼", "◀ ", and " ▶" buttons of a main body or remote control unit attached to product.

The example of a display **< Version Info 1 >**



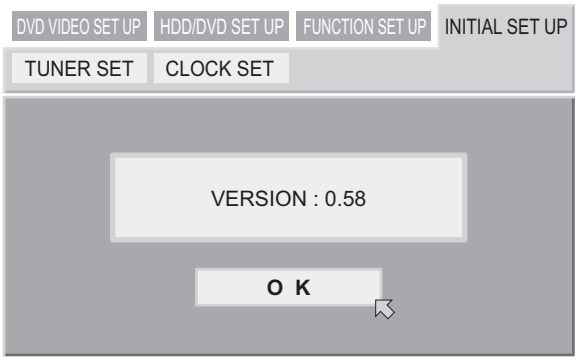
NOTE :
Items other than the ones described above are not used in service work.

(5) To quit the SYSTEM INFO menu, transmit "43-8B" to the main body by using JIG remote control unit.
(6) Cancel JIG mode.

5.2.1 Displaying the firmware version of the main body in the user mode

The version information of the main body firmware can be displayed in the normal mode (user mode) without using the Jig mode. The version can be checked by the user operation when it is required to check the version when there are failure inquiries from the users.

(1) Turn the power of the main body ON.
(2) Press the “SET UP” button of the supplied remote control unit to display the setting menu screen.
(3) Move the arrow to the “INITIAL SET UP” tab, keep pressing the “STOP” button of the main body for 10 seconds in that condition.
(4) The screen changes to the display shown in the below diagram, and the firmware version of the main body is indicated.



5.3 Updating the firmware of the main body

- Firmware update disc supports CD-R media.
- When firmware update is necessary, information is available from the website of DIGITAL VIDEO STORAGE CATEGORY, CS group.

5.3.1 Creating an update disc

Please check the details of the update disc creation method with JS-NET.

(1) Down load the update file from JS-NET.
(2) Write the update file into CD-R. Pay attention in the following points when writing the update disc.

- Make sure to write in "Disc at Once".
- Set the file compatibility to "ISO9660 format". (ROMEO, JOLIET are disapproved.)
  If the writing method is not correct, the update results in an error.

5.3.2 Update procedure

- There are two methods of updating firmware, using JIG mode <method 1> or not using JIG mode(User update mode) <method 2>. Both methods can be used to update the firmware.

<Method 1>

(1) Set to the JIG mode.
(2) Switch the main body to “DVD”, load the update disc on the tray, and then close the tray.
(3) When the disc reading operation is completed, transmit “43-70” with the JIG remote control unit.
If the update disc is not correct, FL indicator displays “ERROR” after transmitting “43-70”. Transmit “43-70” once and make the FL indicator to normal display, and then reload the disc then transmit “43-70” again.
(4) “UPDATE” is displayed in the FL indicator, and the FL indicator changes to “FW UPDATE” afterwards. It takes approx. 2 minutes for the change.
(5) Remove the disc as the tray is ejected, and then transmit “43-70” with the JIG remote control unit. Then the FL indicator changes from “UPDATE” to the normal display.
(6) Close the tray and turn the power of the main body OFF. Pull out the power cord from the wall socket, and then plug the power cord into the wall socket again.
(7) “PLEASE” and “WAIT” blink alternately and it is displayed in FL indicator. Then, turn the main body ON.
(8) Check the version of the firmware.
(9) Cancel the JIG mode.

<Method 2>

(1) Turn the power ON. Load the update disc on the tray and close the tray.
(2) Switch the main body to “DVD”.
(3) When the disc reading operation is completed, check “CD” or “DVD-RAM” display in the FL indicator.
(4) When keep pressing the “STOP” button for 5 seconds, “UPDATE” is displayed in the FL indicator and the update is started.
(5) In approx. 2 minutes the tray is ejected, remove the disc. The tray is automatically closed.
(6) Reset operation is carried out automatically, and it becomes standby status.
(7) Check the version of the firmware.

5.4 Updating the firmware of the drive unit

- Firmware update disc supports only DVD-RAM media.
- When firmware update is necessary, written discs are distributed by DIGITAL VIDEO STORAGE CATEGORY, CS group.
  (1) Turn the main body ON, and switch the main body to “DVD”.
  (2) Load the update DVD-RAM disc on the tray and close the tray.
  (3) “READING” is displayed in the FL indicator and the update is started.
  (4) In a short while “READING” in the FL indicator disappears, open the tray to remove the disc and close the tray.
  (5) Turn the power OFF and pull out the power code from the wall socket, then plug the power cord into the wall socket again.
  (6) Set to the JIG mode and check the firmware version of the drive.

5.5 Taking out a disc

<Method 1 >

There is a forced tray eject mode with electrical operation.

(1) Right after plugging in the power code (while “PLEASE” and “WAIT” blink alternately and it is displayed), keep pressing the OPEN/CLOSE button of the main body.
(2) Remove the disc as the tray is ejected in a short while.
(3) The tray closes automatically at about five seconds.

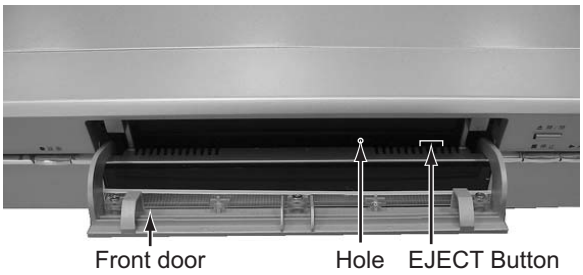
<Method 2 >

When the disc cannot be removed by operating above <Method 1 >, open the front door of the main body manually and directly press the EJECT button located in the lower right of the drive unit.

<Method 3 >

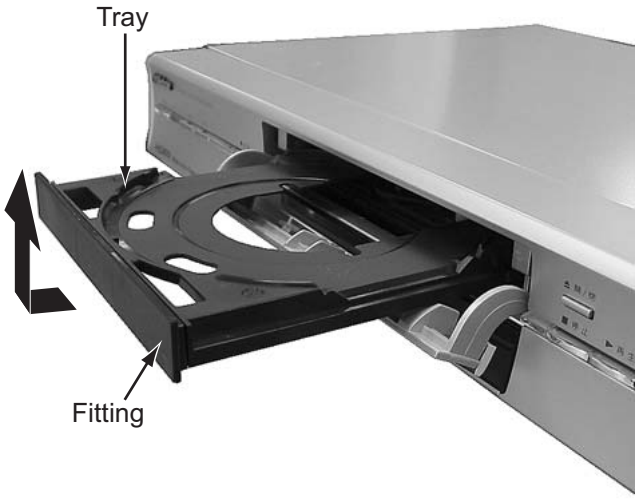
When neither <Method 1> nor <Method 2> can remove the disc, the tray can be ejected mechanically without turning the power on.

(1) Open the front door of the main body manually.
(2) Insert a fine wire (e.g. a straightened paper clip) into the hole in the lower part of the tray of the drive unit.
(3) As the tray ejects a little, pull out the tray manually.



5.6 Exchanging the fitting

As the fitting that comes with the service drive unit cannot be used, make sure to attach a service fitting when the drive unit is exchanged. The fitting that is removed from the old drive unit can be attached to the new drive unit.
The fitting can be removed by pulling upwards while opening out the lower part of the fitting outwards.



5.7 Initialization to the factory shipment state

When the initialization is operated, internal information changes as follows. It is essential to obtain the client's permission before the operation.

- All DVD library is all deleted.
- All the DVD initial settings go back to the initial status.
  (1) Set to the JIG mode.
  (2) Transmit "43-6F" with the JIG remote control unit.
  (3) FL indicator displays "FACTORY", and changes to "CHECK OK" after blinking for a short while.
  (4) Pull out the power code from the wall socket.
  (5) The JIG mode is forced to cancel at the same time with the initialization, check whether the JIG mode is canceled by plugging the power code into the wall socket again. (The colon ":" in time display should be continuously ON, not blinking.)
  If the JIG mode is not canceled, transmit "43-9D" with JIG remote control unit to cancel the JIG mode.

5.8 Setting after the drive unit replacement

When the drive unit is replaced, it is necessary to set a region code. Service drive units for replacement are not set for any region code, and they are in an indefinite condition.
Make sure to set region code after attaching the drive unit to the main body.
Without the setting of the region code, discs that have regions cannot be played back.

5.8.1 Creating a region setting disc.

Please check the details of the region setting disc creation method by JS-NET.
(1) Download the region setting file from JS-NET.
(2) Write the region setting file into CD-R. Pay attention in the following points when writing the file into CD-R.
  - Make sure to write in "Disc at Once".
  - Set the file compatibility to "ISO9660 format". (ROMEO, JOLIET are disapproved).
    If the writing method is not correct, the normal setting cannot be performed.

5.8.2 Setting the region

(1) Set for the JIG mode, and switch the main body to "DVD".
(2) Load the region setting disc on the tray, and then close the tray.
(3) When the disc reading operation is completed, transmit "43-70" with the JIG remote control unit.
(4) FL indicator changes to "UPDATE". Remove the disc as the tray will open for a few seconds.
(5) Then, check whether the FL indicator is "REGION 2", and then close the tray.
(6) Turn the power OFF, and pull out the power code, and then plug the power code in again.
(7) Cancel the JIG mode.

5.9 When it is displayed in FDP, "RESETTING"

When the following operations are carried out, "RESETTING" is displayed in the FDP of the main body.
(1) When the "POWER" button and the "STOP" button of the main body are pressed at the same time
(2) When the code "9B" is transmitted to the main body by using JIG remote control unit in JIG mode.
(3) When transmission failure occurs between the main CPU and the DVD host CPU due to defect.
  If "RESETTING" is displayed in the FDP after the power code is plugged into the outlet, check the followings.
  - The peripheral circuitry of each microcomputer
  - Whether the wire between the DVD drive and the board is properly connected
  - Whether the wire between the main board and the digital board is properly connected

JVC
Victor Company of Japan, Limited
DIGITAL VIDEO STORAGE CATEGORY 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

(No.YD089)

Printed in Japan
VPT

JVC

SCHEMATIC DIAGRAMS

HDD & DVD VIDEO RECORDER

DR-MH300BE, DR-MH300BEK, DR-MH300SE, DR-MH300SEF, DR-MH300SEK, DR-MH300SER, DR-ED400SE

CD-ROM No.SML200512

Area Suffix

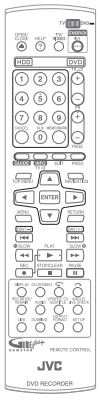
E ------- Continental Europe
Northern Europe
EF ---------- France
EK ---------- U.K.
ER ---- Russian Federation

Only ver.E,EF,EK

Only ver.EK

Only ver.ER

Only ver.E,EF,ER



DR-MH300BE, DR-MH300BEK, DR-MH300SE, DR-MH300SEF, DR-MH300SEK, DR-MH300SER, DR-ED400SE [D5HR10]

Since the whole mechanism assembly unit is replaced, the DVD recorder mechanism of this unit need not be adjusted.

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No.YD089SCH
2005/12

CHARTS AND DIAGRAMS

NOTES OF SCHEMATIC DIAGRAM

Safety precautions
The Components indentified by the symbol ⚠ are critical for safety. For continued safety, replace safety critical components only with manufacturer's recommended parts.

1. Units of components on the schematic diagram

Unless otherwise specified.

1) All resistance values are in ohm. 1/6 W, 1/8 W (refer to parts list).
   Chip resistors are 1/16 W.
   K: KΩ(1000Ω), M: MΩ (1000KΩ)
2) All capacitance values are in μF, (P: PF).
3) All inductance values are in μH, (m: mH).
4) All diodes are 1SS133, MA165 or 1N4148M (refer to parts list).

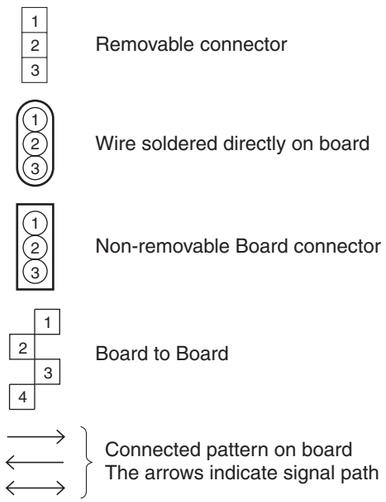
Note: The Parts Number, value and rated voltage etc. in the Schematic Diagram are for references only. When replacing the parts, refer to the Parts List.

2. Indications of control voltage

AUX : Active at high.

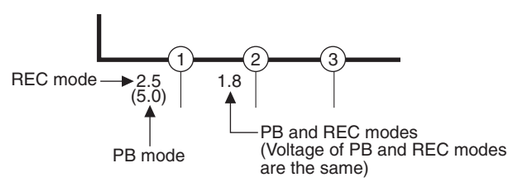
$\overline{\text{AUX}}$ or AUX(L) : Active at low.

3. Interpreting Connector indications



4. Voltage measurement

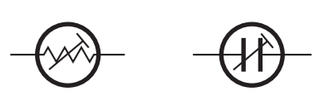
1) Regulator (DC/DC CONV) circuits
   REC : Colour bar signal.
   PB : Alignment tape (Colour bar).
   — : Unmeasurable or unnecessary to measure.
2) Indication on schematic diagram
   Voltage indications for REC and PB mode on the schematic diagram are as shown below.



Note: If the voltages are not indicated on the schematic diagram, refer to the voltage charts.

6. Indication of the parts for adjustments

The parts for the adjustments are surrounded with the circle as shown below.



7. Indication of the parts not mounted on the circuit board

"OPEN" is indicated by the parts not mounted on the circuit board.

CIRCUIT BOARD NOTES

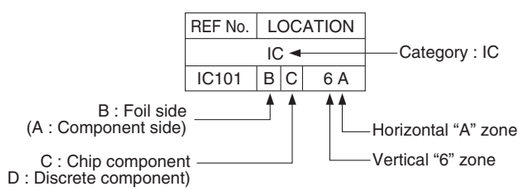
1. Foil and Component sides

1) Foil side (B side) :
   Parts on the foil side seen from foil face (pattern face) are indicated.
2) Component side (A side) :
   Parts on the component side seen from component face (parts face) indicated.

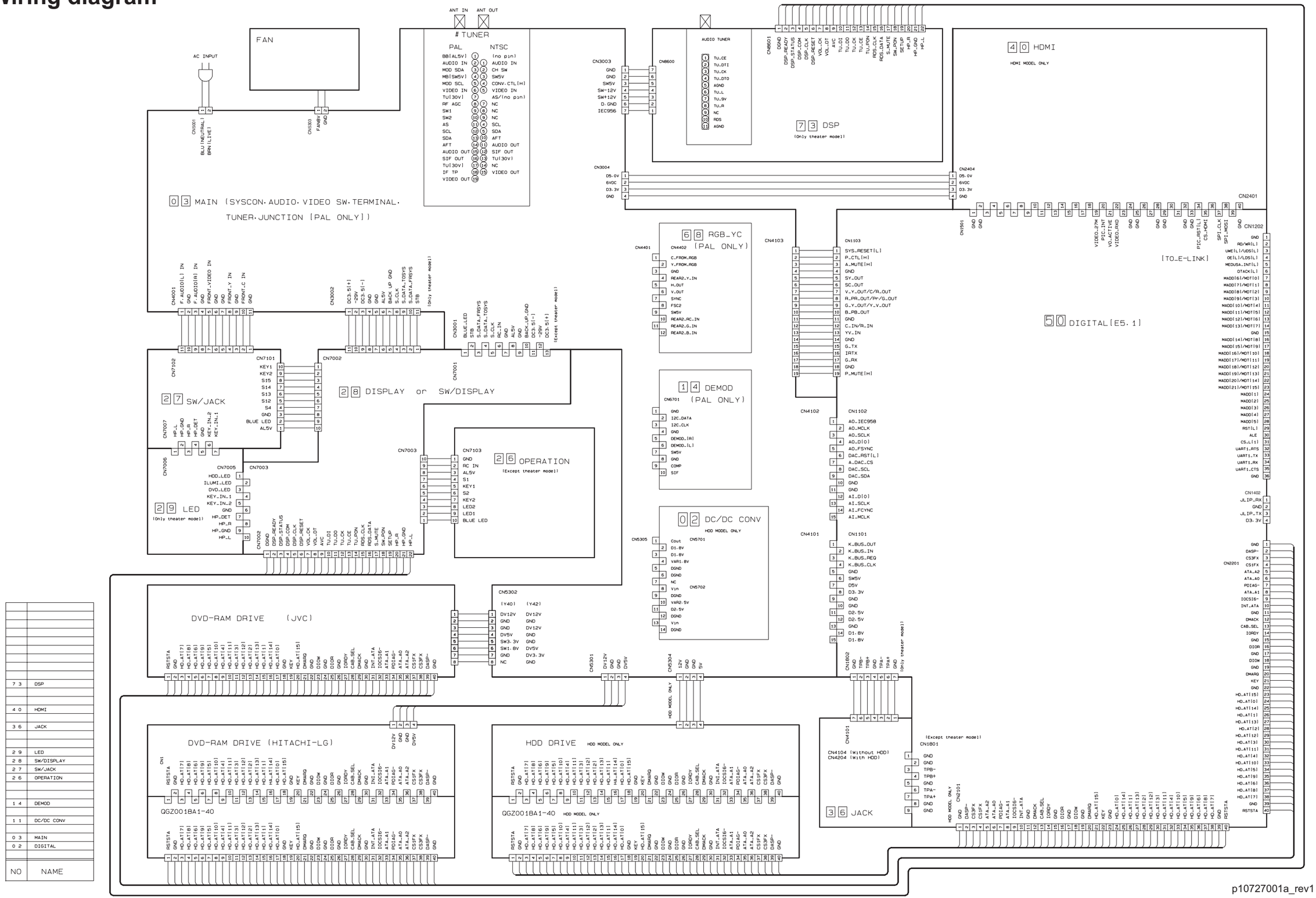
Parts location are indicated by guide scale on the circuit board.

2. Parts location guides

Parts location are indicated by guide scale on the circuit board.



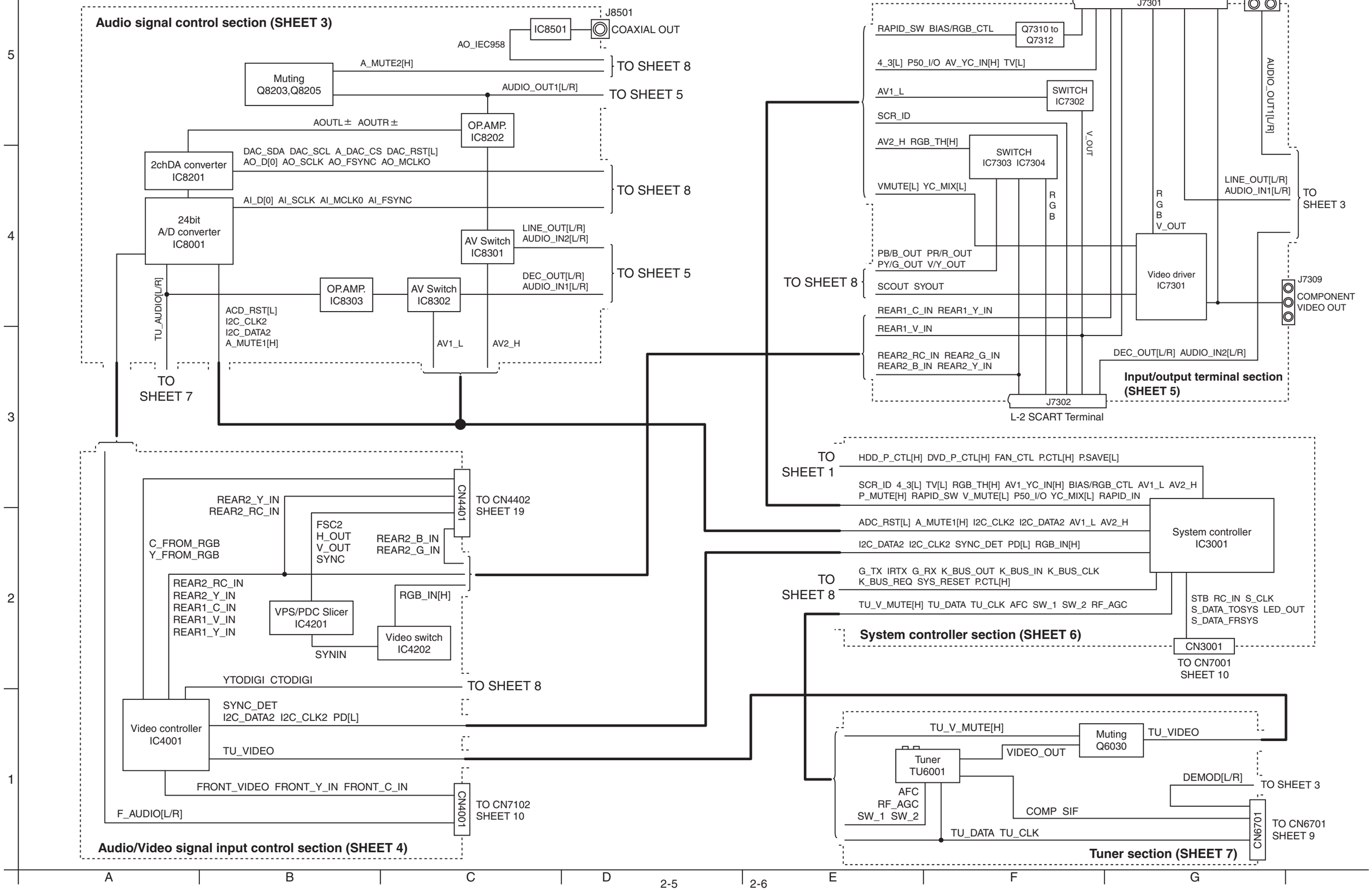
Wiring diagram



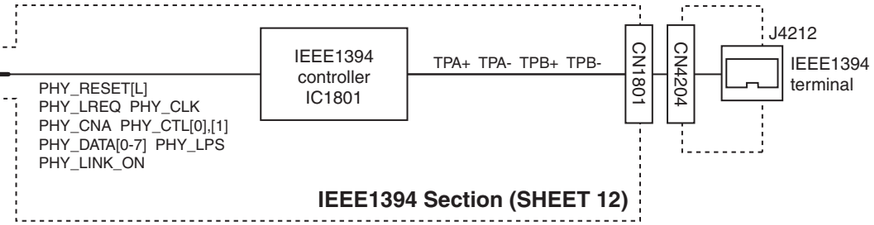
NO	NAME
73	DSP
40	HDMI
36	JACK
29	LED
28	SW/DISPLAY
27	SW/JACK
26	OPERATION
14	DEMOD
11	DC/DC CONV
03	MAIN
02	DIGITAL

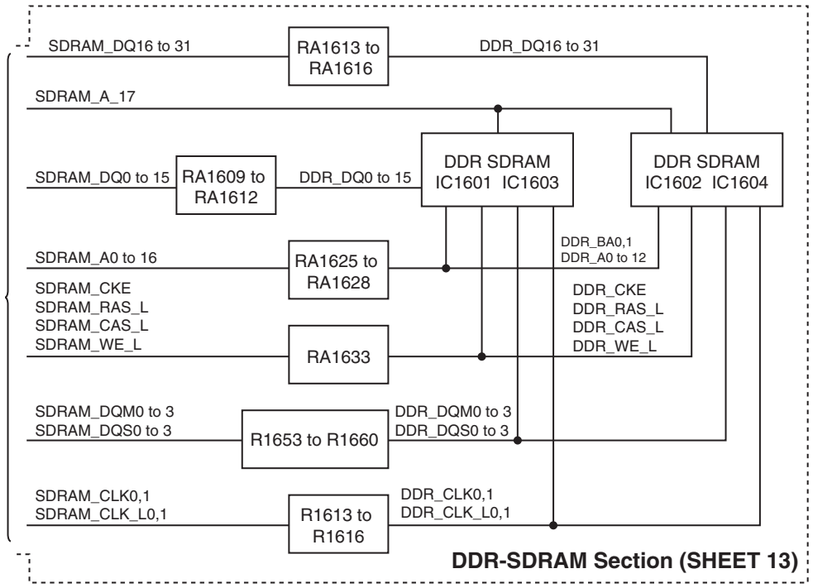
Block diagrams

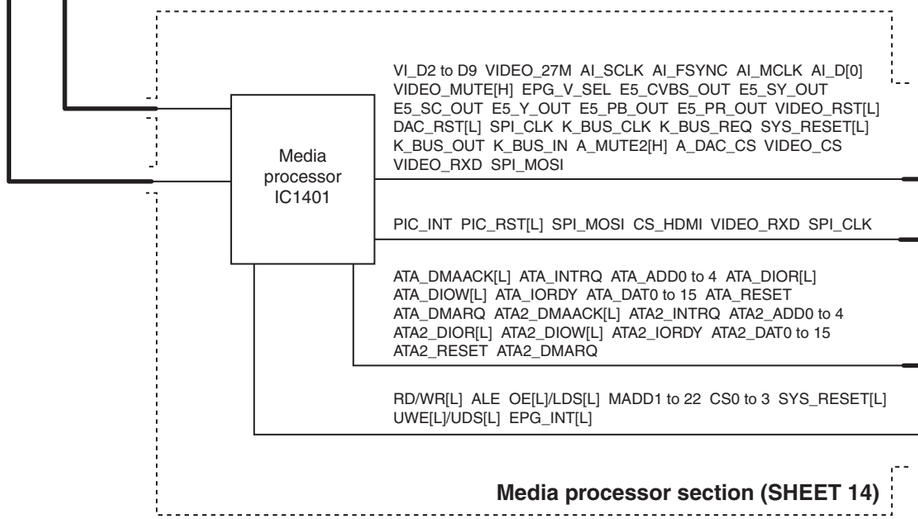
■ MAIN 0 3

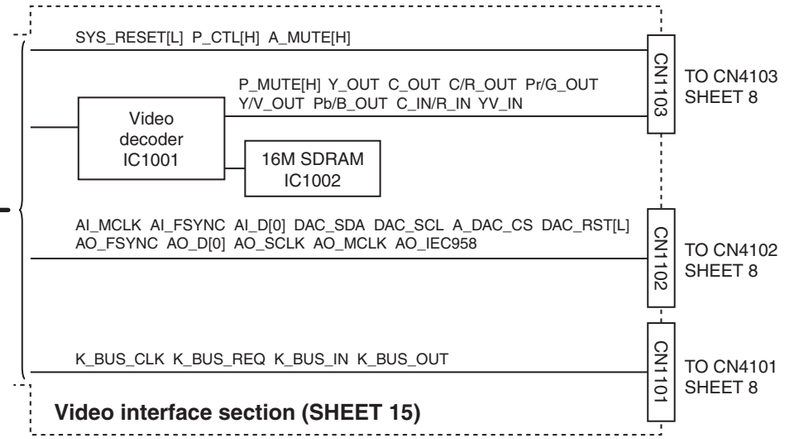


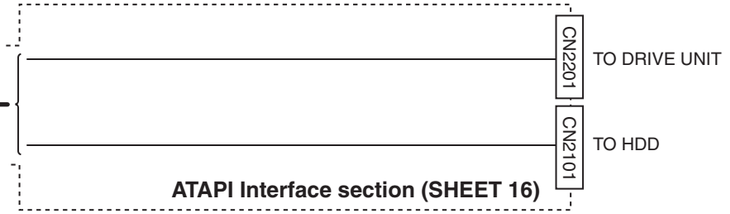
■ DIGITAL 50

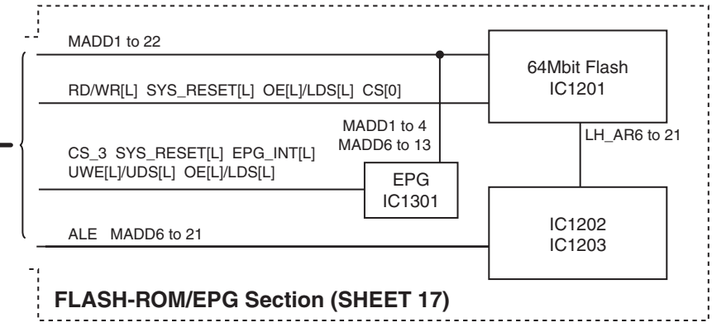

PHY_RESET[L]
PHY_LREQ PHY_CLK
PHY_CNA PHY_CTL[0],[1]
PHY_DATA[0-7] PHY_LPS
PHY_LINK_ON
IEEE1394 controller IC1801
TPA+ TPA- TPB+ TPB-
CN1801
CN4204
J4212
IEEE1394 terminal
IEEE1394 Section (SHEET 12)

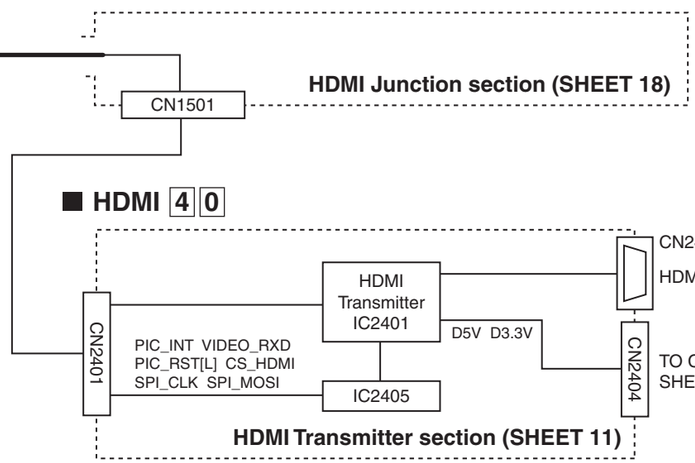

SDRAM_DQ16 to 31
RA1613 to RA1616
DDR_DQ16 to 31
SDRAM_A_17
SDRAM_DQ0 to 15
RA1609 to RA1612
DDR_DQ0 to 15
DDR SDRAM IC1601 IC1603
DDR SDRAM IC1602 IC1604
SDRAM_A0 to 16
RA1625 to RA1628
DDR_BA0,1
DDR_A0 to 12
SDRAM_CKE
SDRAM_RAS_L
SDRAM_CAS_L
SDRAM_WE_L
RA1633
DDR_CKE
DDR_RAS_L
DDR_CAS_L
DDR_WE_L
SDRAM_DQM0 to 3
SDRAM_DQS0 to 3
R1653 to R1660
DDR_DQM0 to 3
DDR_DQS0 to 3
SDRAM_CLK0,1
SDRAM_CLK_L0,1
R1613 to R1616
DDR_CLK0,1
DDR_CLK_L0,1
DDR-SDRAM Section (SHEET 13)


Media processor IC1401
VI_D2 to D9 VIDEO_27M AI_SCLK AI_FSYNC AI_MCLK AI_D[0]
VIDEO_MUTE[H] EPG_V_SEL E5_CVBS_OUT E5_SY_OUT
E5_SC_OUT E5_Y_OUT E5_PB_OUT E5_PR_OUT VIDEO_RST[L]
DAC_RST[L] SPI_CLK K_BUS_CLK K_BUS_REQ SYS_RESET[L]
K_BUS_OUT K_BUS_IN A_MUTE2[H] A_DAC_CS VIDEO_CS
VIDEO_RXD SPI_MOSI
PIC_INT PIC_RST[L] SPI_MOSI CS_HDMI VIDEO_RXD SPI_CLK
ATA_DMAACK[L] ATA_INTRQ ATA_ADD0 to 4 ATA_DIOR[L]
ATA_DIOW[L] ATA_IORDY ATA_DAT0 to 15 ATA_RESET
ATA_DMARQ ATA2_DMAACK[L] ATA2_INTRQ ATA2_ADD0 to 4
ATA2_DIOR[L] ATA2_DIOW[L] ATA2_IORDY ATA2_DAT0 to 15
ATA2_RESET ATA2_DMARQ
RD/WR[L] ALE OE[L]/LDS[L] MADD1 to 22 CS0 to 3 SYS_RESET[L]
UWE[L]/UDS[L] EPG_INT[L]
Media processor section (SHEET 14)

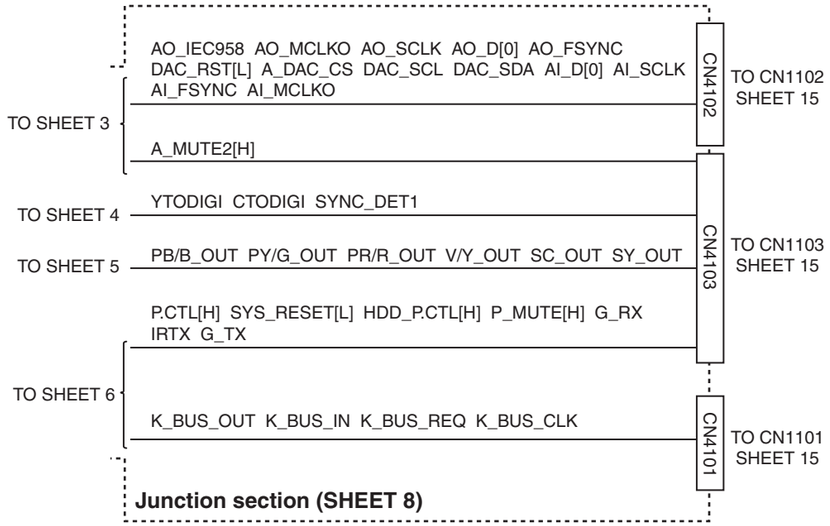

SYS_RESET[L] P_CTL[H] A_MUTE[H]
P_MUTE[H] Y_OUT C_OUT C/R_OUT Pr/G_OUT
Y/V_OUT Pb/B_OUT C_IN/R_IN YV_IN
Video decoder IC1001
16M SDRAM IC1002
CN1103
TO CN4103 SHEET 8
AI_MCLK AI_FSYNC AI_D[0] DAC_SDA DAC_SCL A_DAC_CS DAC_RST[L]
AO_FSYNC AO_D[0] AO_SCLK AO_MCLK AO_IEC958
CN1102
TO CN4102 SHEET 8
K_BUS_CLK K_BUS_REQ K_BUS_IN K_BUS_OUT
CN1101
TO CN4101 SHEET 8
Video interface section (SHEET 15)


CN2201
TO DRIVE UNIT
CN2101
TO HDD
ATAPI Interface section (SHEET 16)

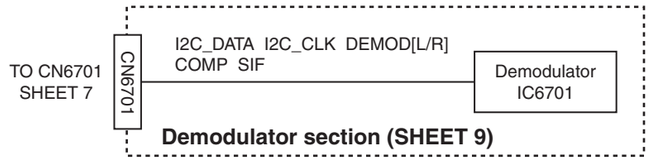

MADD1 to 22
RD/WR[L] SYS_RESET[L] OE[L]/LDS[L] CS[0]
64Mbit Flash IC1201
LH_AR6 to 21
MADD1 to 4
MADD6 to 13
CS_3 SYS_RESET[L] EPG_INT[L]
UWE[L]/UDS[L] OE[L]/LDS[L]
EPG IC1301
IC1202 IC1203
ALE MADD6 to 21
FLASH-ROM/EPG Section (SHEET 17)


HDMI Junction section (SHEET 18)
CN1501
■ HDMI 40
CN2403
HDMI Terminal
HDMI Transmitter IC2401
D5V D3.3V
CN2401
PIC_INT VIDEO_RXD
PIC_RST[L] CS_HDMI
SPI_CLK SPI_MOSI
IC2405
CN2404
TO CN3004 SHEET 6
HDMI Transmitter section (SHEET 11)

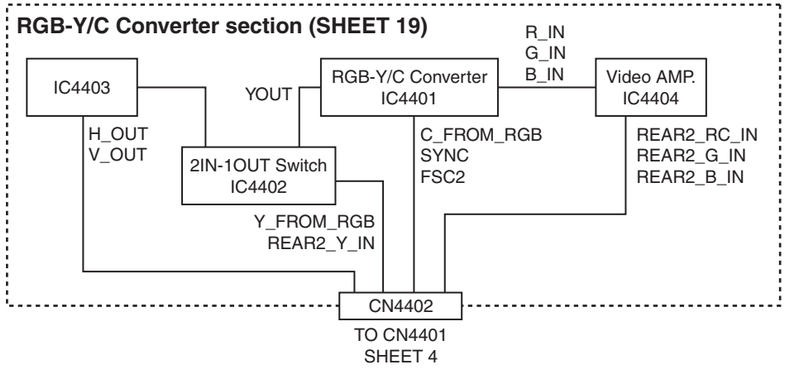
MAIN 03



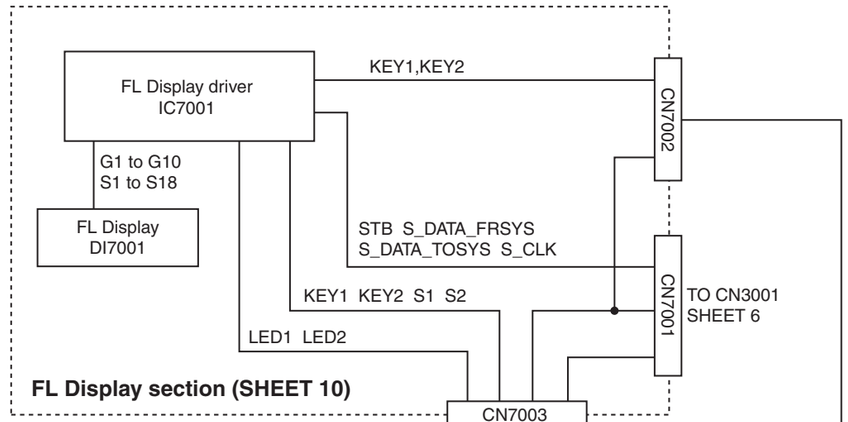
DEMOD 14



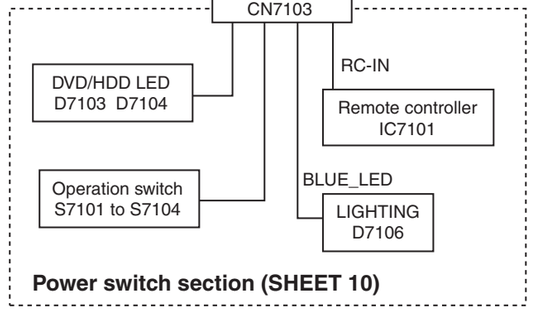
RGB_YC 68



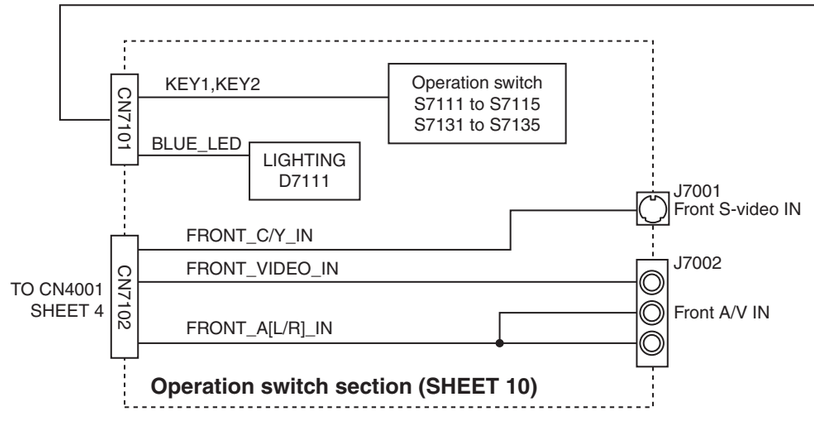
DISPLAY 28



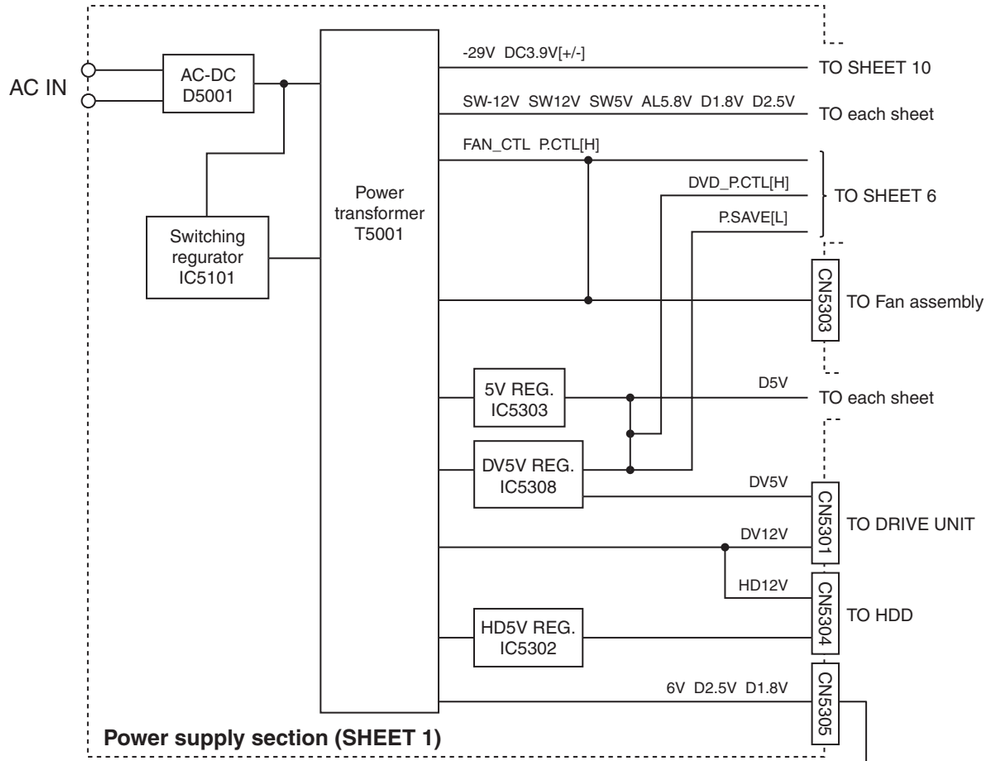
OPERATION 26



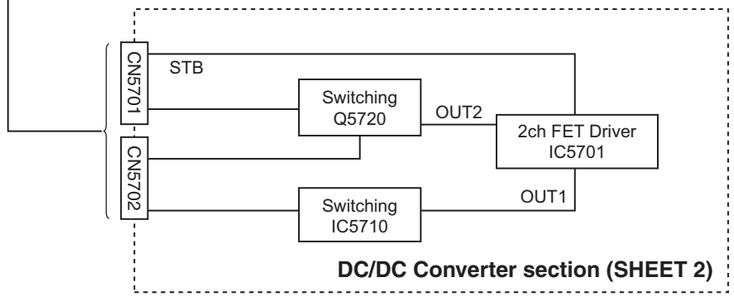
SW/JACK 27



■ MAIN 03

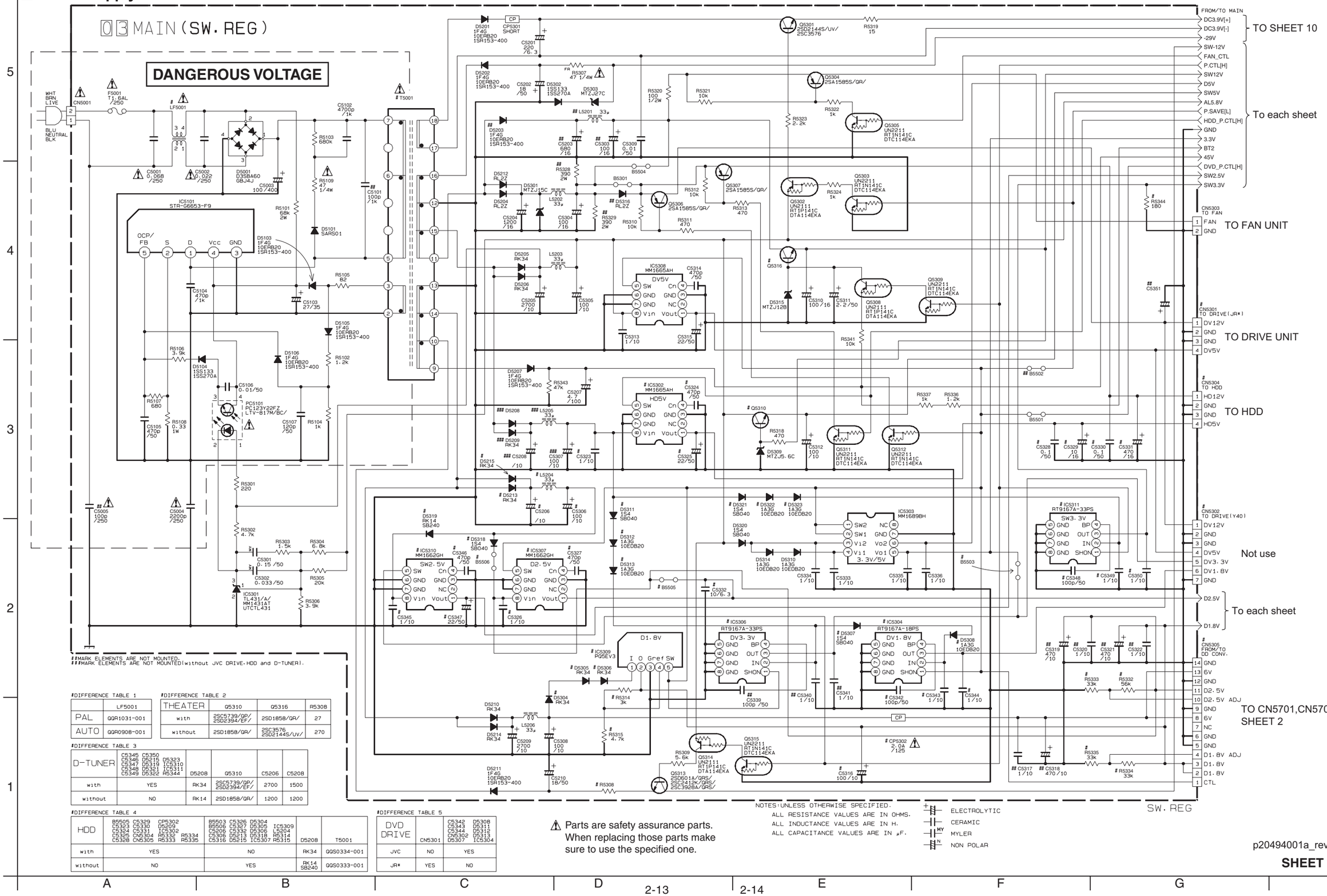


■ DC/DC CONV 02



Standard schematic diagrams

■ Power supply section



#DIFFERENCE TABLE 1

	LF5001
PAL	QQR1031-001
AUTO	QQR090B-001

#DIFFERENCE TABLE 2

THEATER	Q5310	Q5316	R5308
with	2SC5739/QP/ 2SD2394/EF/	2SD1858/QR/	27
without	2SD1858/QR/	2SC3576 2SD2144S/UV/	270

#DIFFERENCE TABLE 3

D-TUNER	C5345 C5350 C5346 D5215 D5323 C5347 D5319 IC5310 C5348 D5321 IC5311 C5349 D5322 R5344	D5208	Q5310	C5206	C5208
with	YES	RK34	2SC5739/QP/ 2SD2394/EF/	2700	1500
without	NO	RK14	2SD1858/QR/	1200	1200

#DIFFERENCE TABLE 4

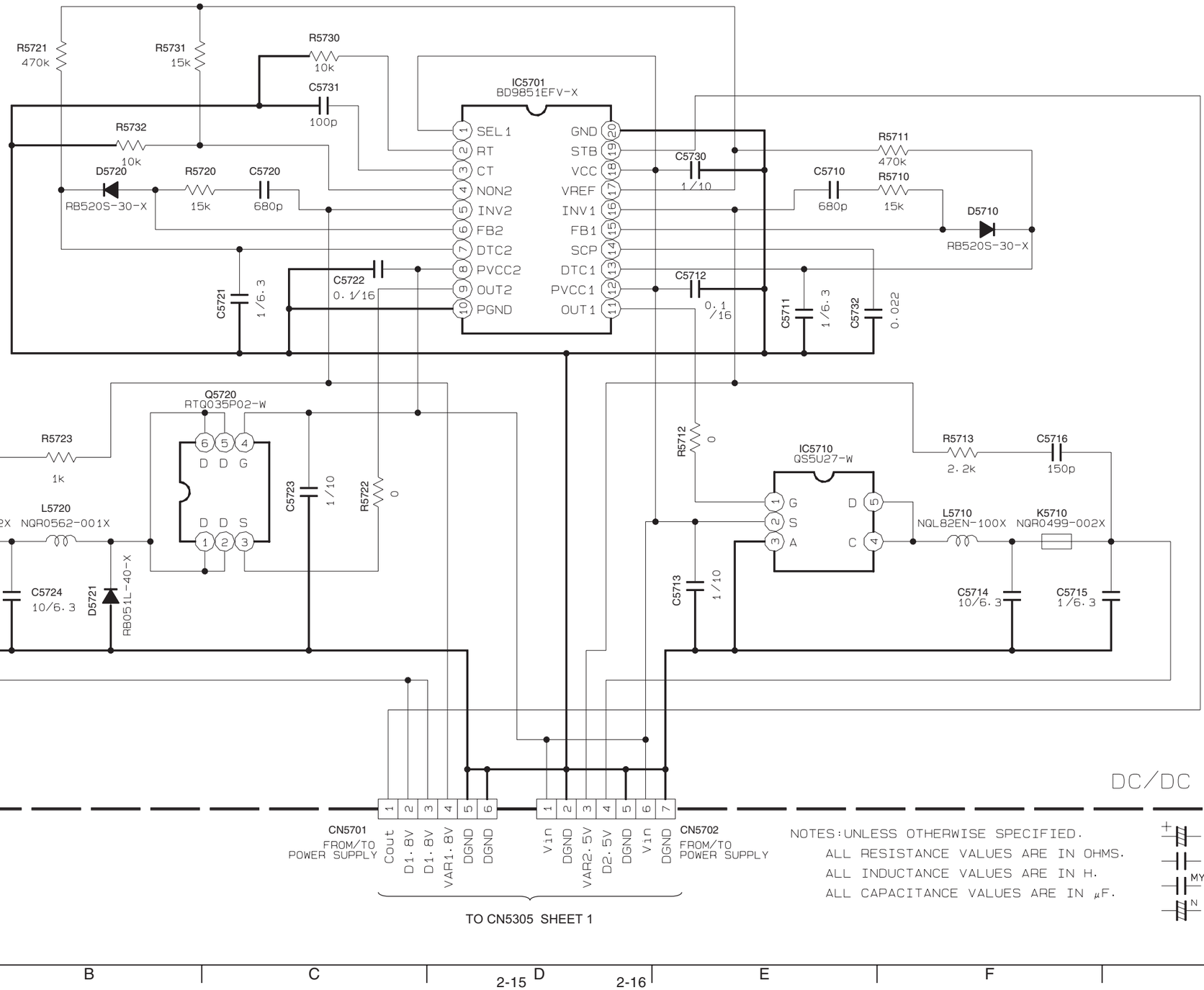
HDD	B5505 C5329 CP5302 C5323 C5330 D5209 C5324 C5331 IC5302 C5325 CN5304 R5333 R5334 C5328 CN5305 R5333 R5335	B5503 C5326 D5304 B5506 C5327 D5305 IC5309 C5205 C5332 D5306 L5204 C5306 D5213 D5318 R5314 C5316 D5215 IC5307 R5315	D5208	T5001
with	YES	NO	RK34	QQS0334-001
without	NO	YES	RK14 SB240	QQS0333-001

#DIFFERENCE TABLE 5

DVD DRIVE	CN5301	C5342 D5308 C5343 D5311 C5344 D5312 CN5302 D5313 D5307 IC5304
JVC	NO	YES
JR*	YES	NO

■ DC/DC Converter section

02 DC/DC CONV



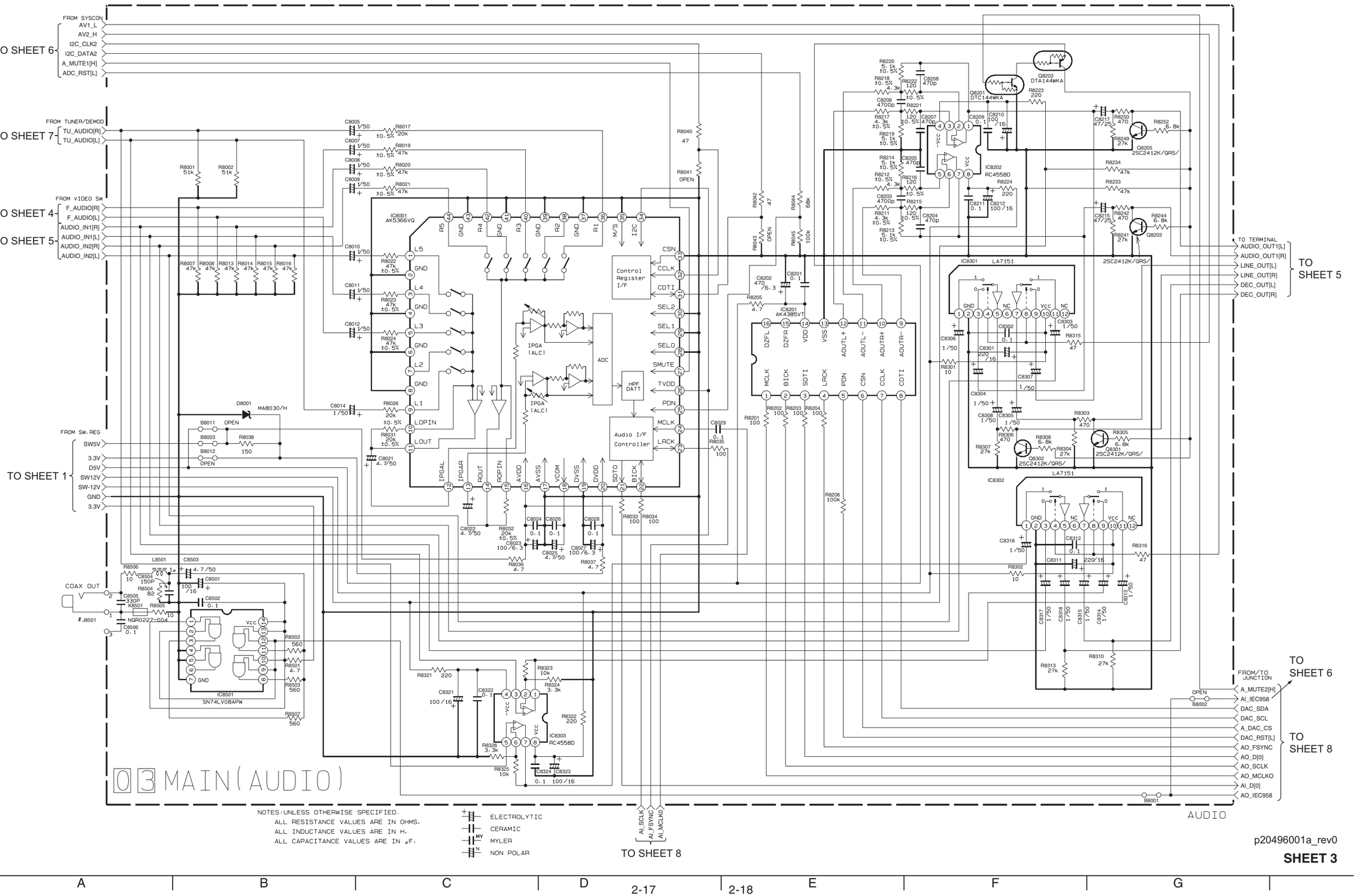
NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

ELECTROLYTIC
CERAMIC
MY MYLER
N NON POLAR

p30133001a_rev0

SHEET 2

■ Audio signal control section



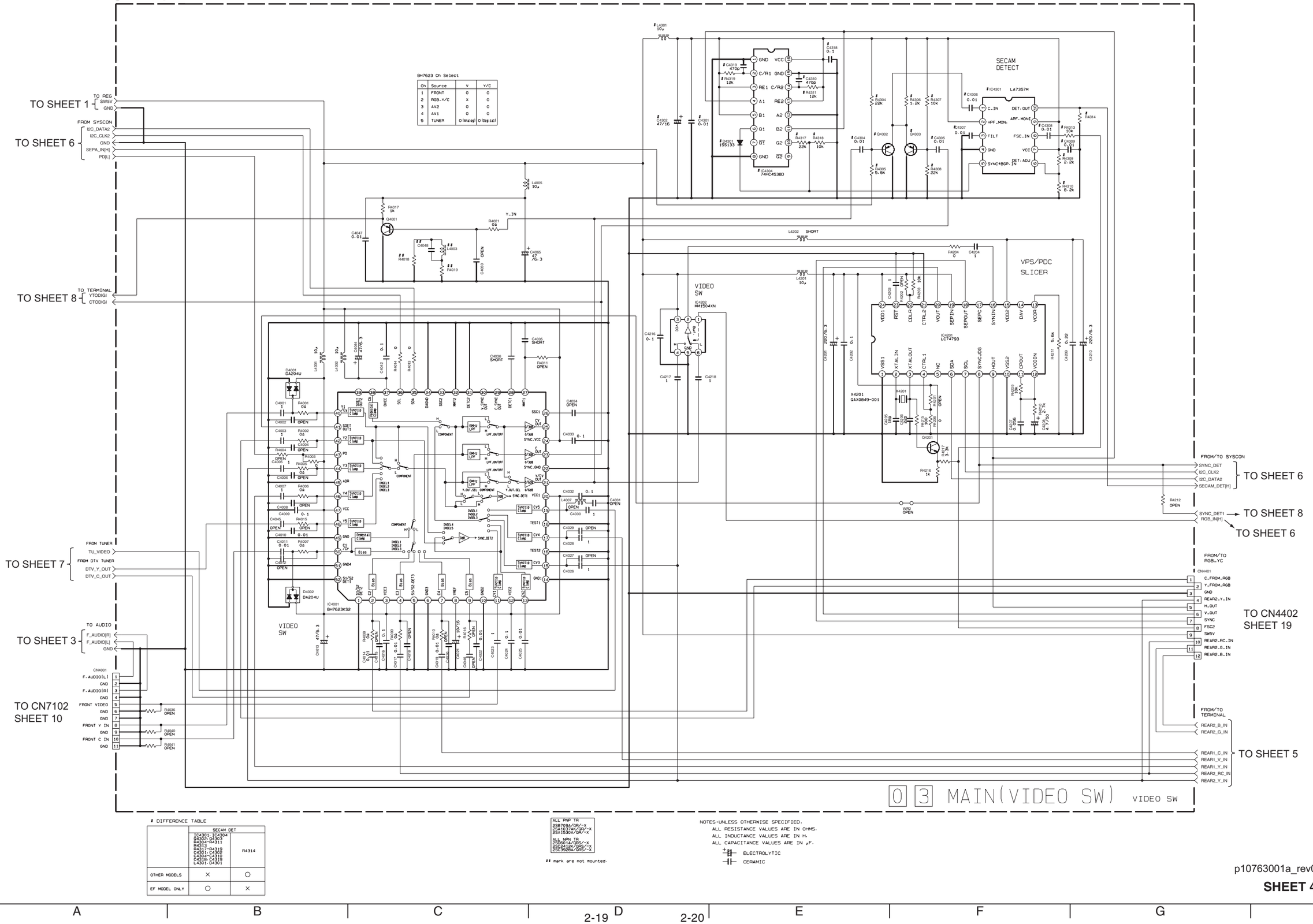
NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

ELECTROLYTIC
CERAMIC
MYLER
NON POLAR

p20496001a_rev0

SHEET 3

■ Audio/Video signal input control section



DIFFERENCE TABLE

	SECAM DET	
	IC4301, IC4304 Q4302, Q4303 R4304-R4311 R4317-R4319 C4301, C4302 C4304-C4310 C4318, C4319 L4301, D4301	R4314
OTHER MODELS	×	○
EF MODEL ONLY	○	×

ALL PNP TR
2SB709A/QR/-X
2SA1037AK/QR/-X
2SA1530A/QR/-X

ALL NPN TR
2SD601A/QRS/-X
2SC1623/QR/-X
2SC3928A/QRS/-X

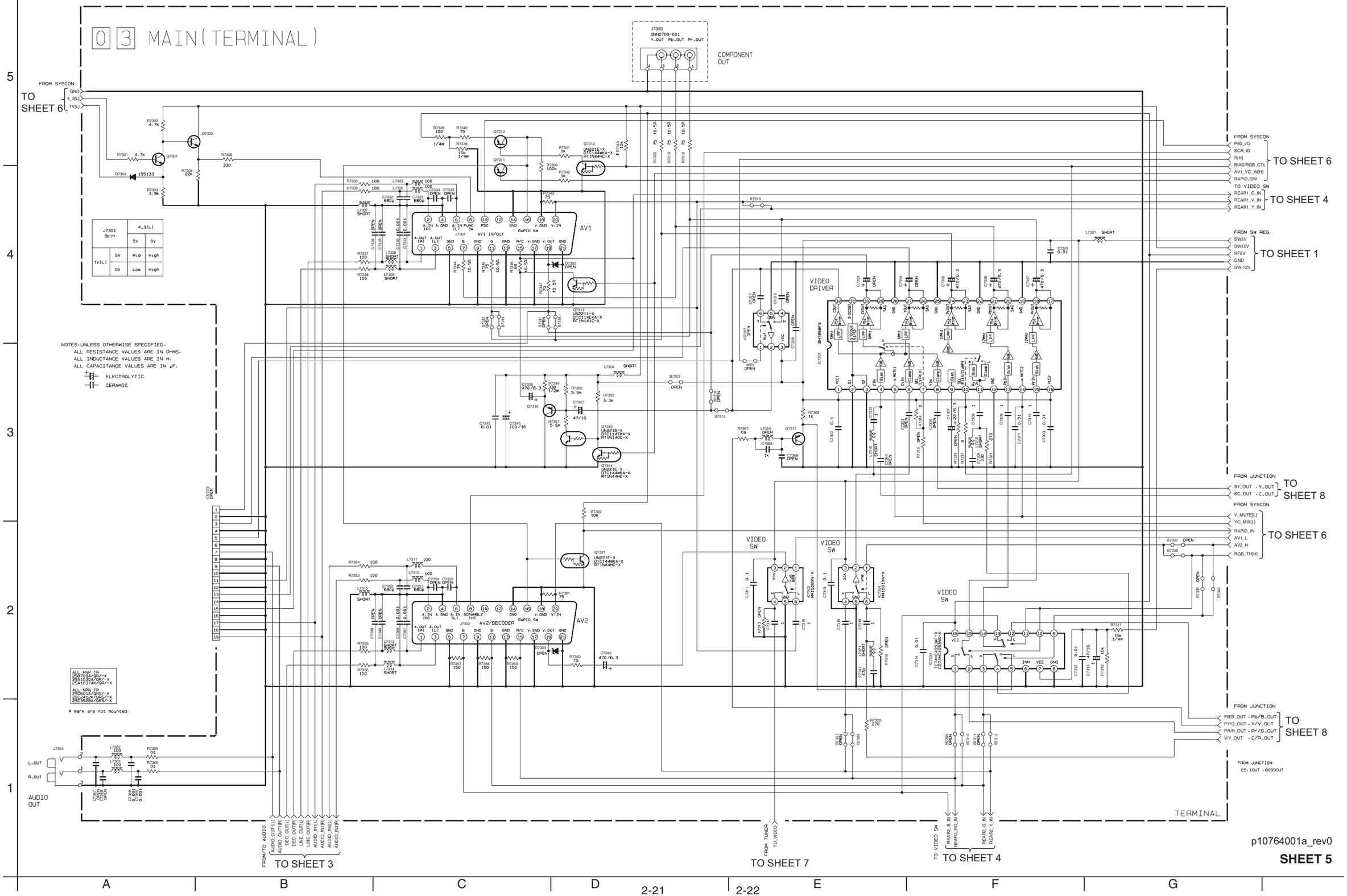
mark are not mounted.

NOTES:UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.
ELECTROLYTIC
CERAMIC

p10763001a_rev0

SHEET 4

■ Input/output terminal section

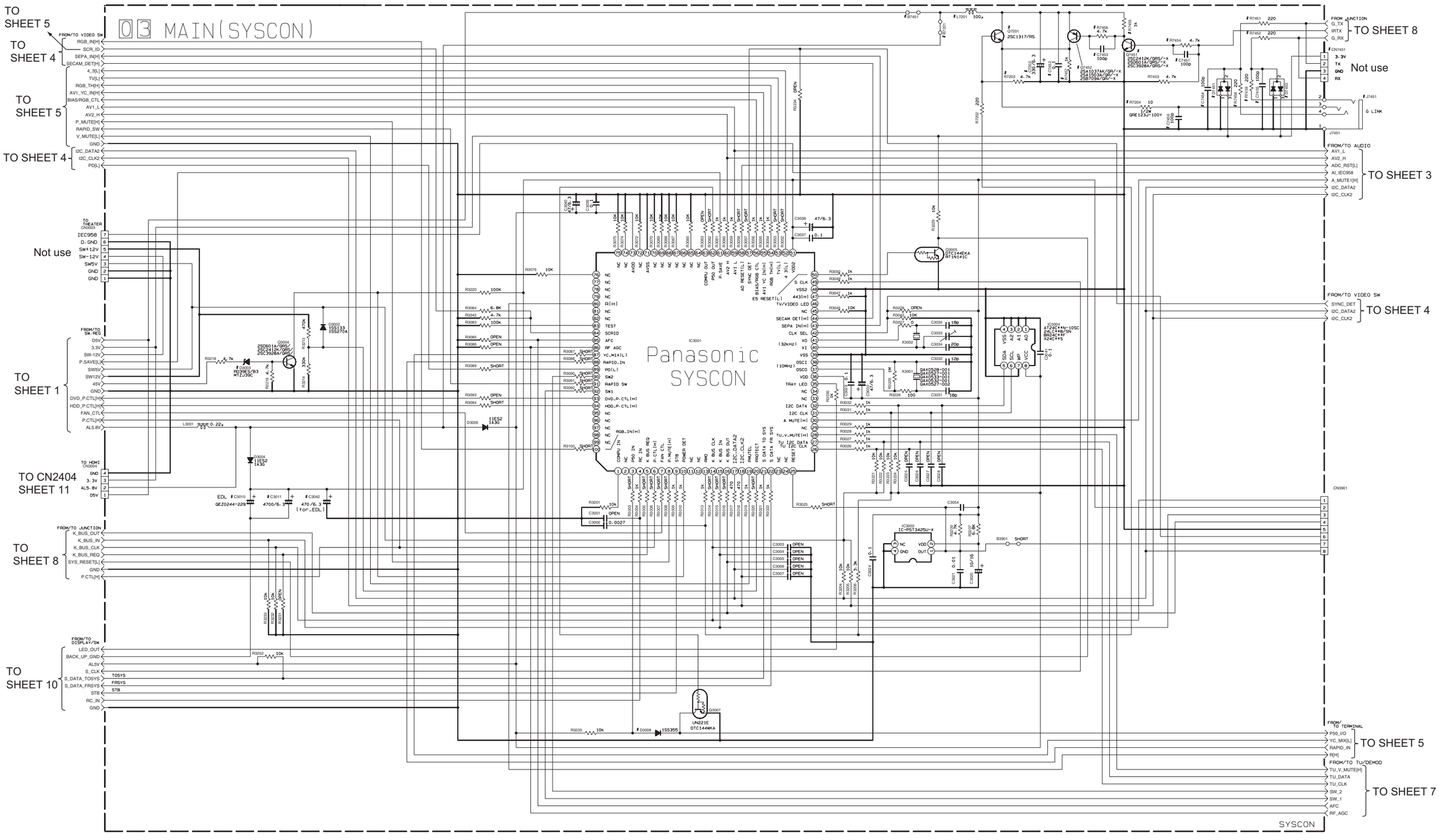


p10764001a_rev0

SHEET 5

A	B	C	D	E	F	G
			2-21 2-22			

■ System controller section



#DIFFERENCE TABLE

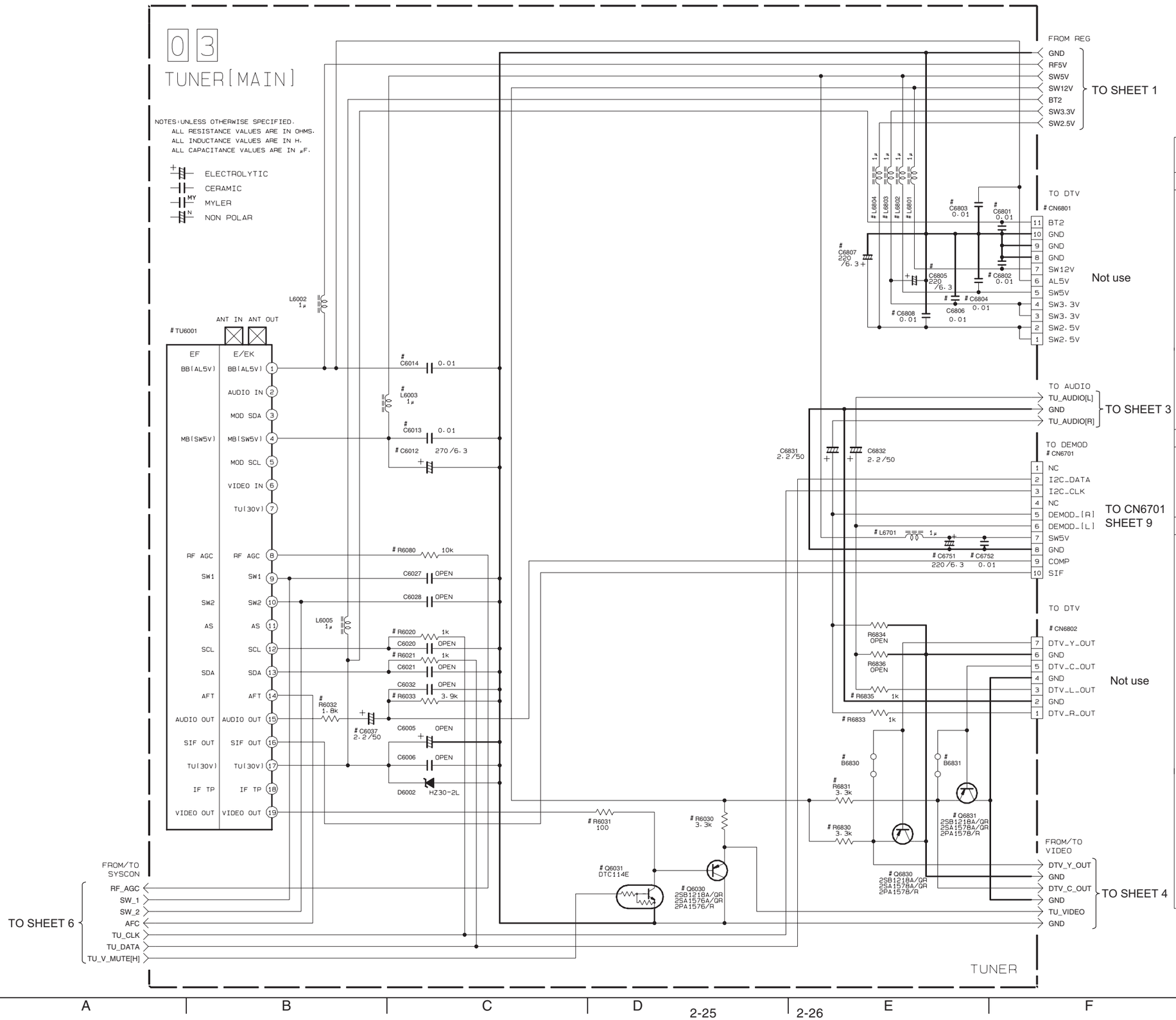
	C.BOX	G.LINK
J7451.L7201.R7204.C7202 C7452.C7456	○	○
R7202.R7203.Q7201.B7201	○	X
R7451.R7452.R7453.R7454 R7455.R7456.R7457.R7458 R7459.Q7451.Q7452.B7451 C7451.C7453.C7454.C7455 CN7451.D7451.D7453	X	○

NOTES:UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.
ELECTROLYTIC
CERAMIC
MYLER
NON POLAR

p10739001a_rev0

SHEET 6

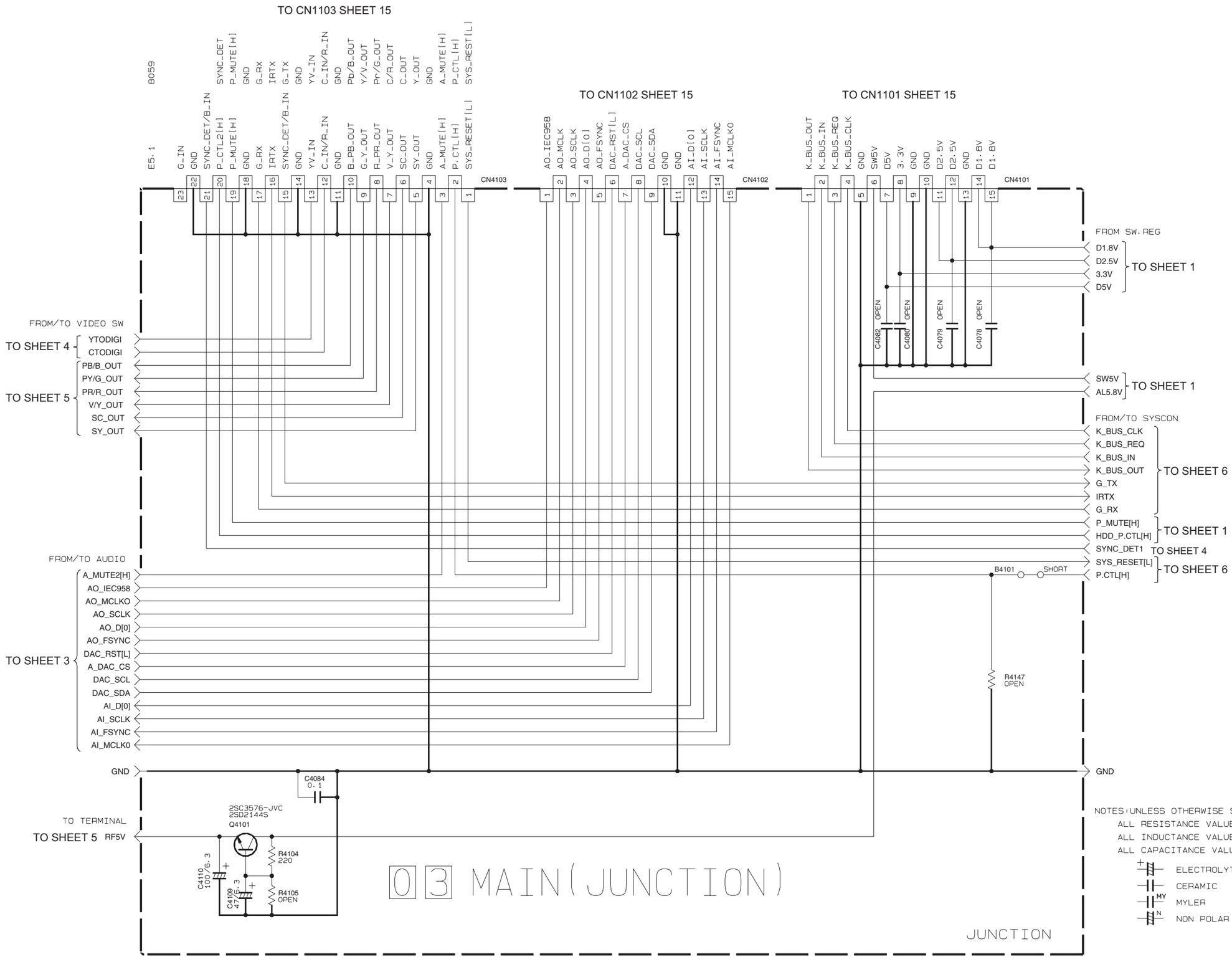
■ Tuner section



DIFFERENCE TABLE

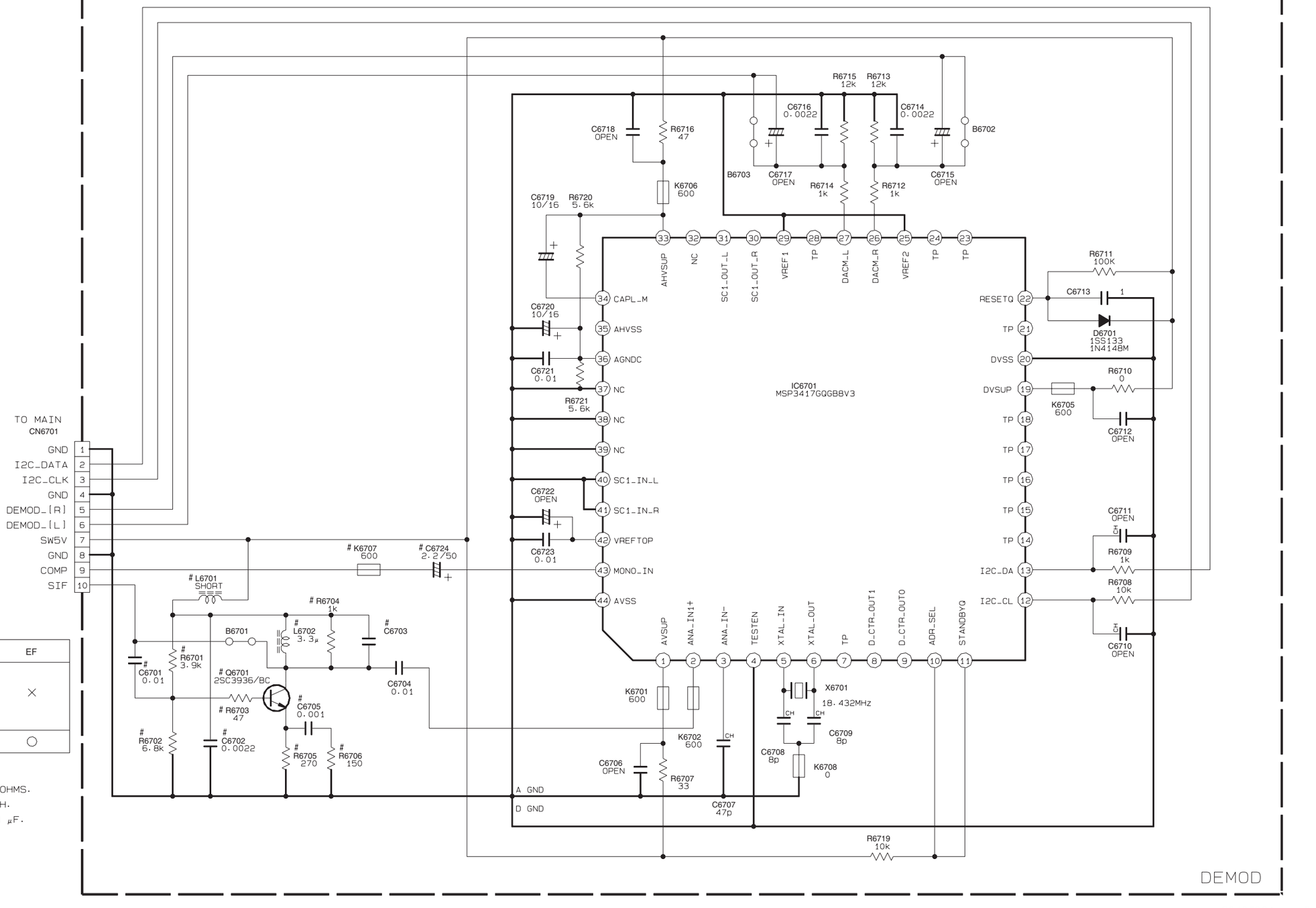
FUNCTION	SYMBOL	MH300 E/EK/ER AA	MH300 EF	M150 EK
ANALOG TUNER				
TUNER	TU6001	SAMSUNG GAU0401	SAMSUNG GAU0402	×
BB(AL5V)	C6014	○	○	×
MB(SW5V)	L6003	○	○	×
	C6012	○	○	×
	C6013	×	×	×
RF AGC	R6080	○	○	×
SCL	R6020	○	○	×
SDA	R6021	○	○	×
AUDIO OUT	R6032 R6033 C6037	×	○	×
VIDEO OUT	R6030 R6031 Q6030	○	○	×
VIDEO MUTE	Q6031	○	○	×
DEMOD				
VCC	L6701	○	○	×
	C6751	×	×	×
	C6752	×	×	×
DEMOD UNIT	CN6701	○	○	×
DIGITAL TUNER				
REG	CN6801	×	×	○
BT2	C6801	×	×	×
SW12V	L6801	×	×	○
	C6802	×	×	×
AL5V	C6803	×	×	×
SW5V	L6802	×	×	○
	C6804	×	×	×
SW3.3V	L6803	×	×	○
	C6805	×	×	×
	C6806	×	×	×
SW2.5V	L6804	×	×	○
	C6807	×	×	×
	C6808	×	×	×
SIGNAL	CN6802	×	×	○
Y OUT	R6830 Q6830	×	×	×
	B6830	×	×	○
C OUT	R6831 Q6831	×	×	×
	B6831	×	×	○
L OUT	R6835	×	×	○
R OUT	R6833	×	×	○

■ Junction section



■ Demodulator section

1 4 DEMOD



DIFFERENCE TABLE

FUNCTION	SYMBOL	E/EK/ER/AA/AG	EF
PREAMP	R6701-R6704, R6705, R6706, C6701-C6703, C6705, L6702, Q6701	×	×
MONO IN	C6724, K6707	×	○

NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

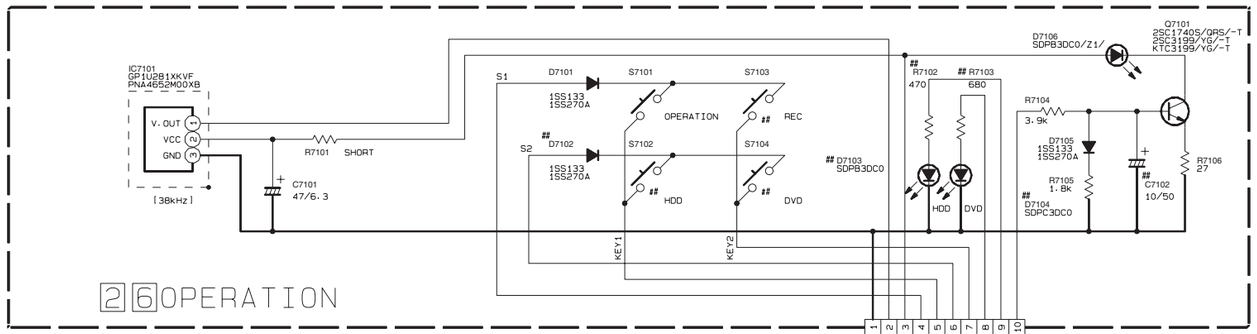
ELECTROLYTIC
CERAMIC
MYLER
NON POLAR

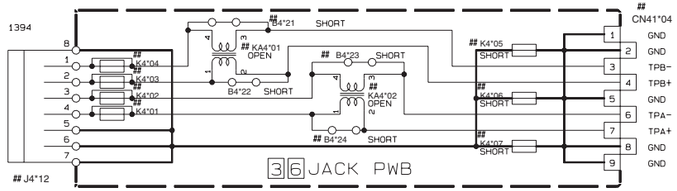
DEMOD

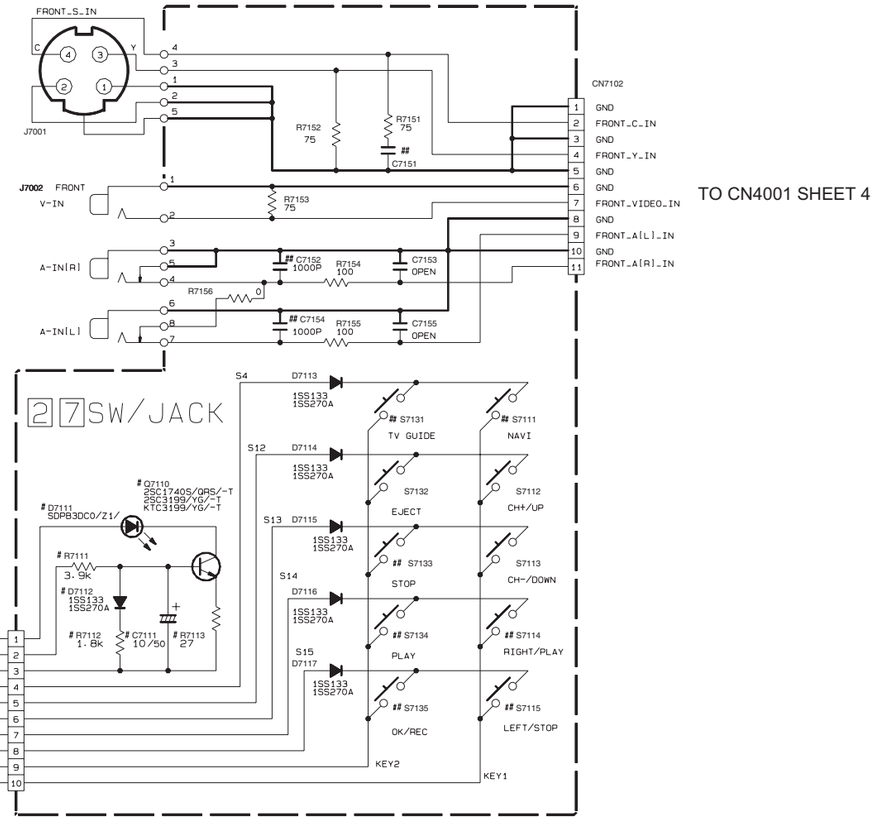
p20495001a_rev0

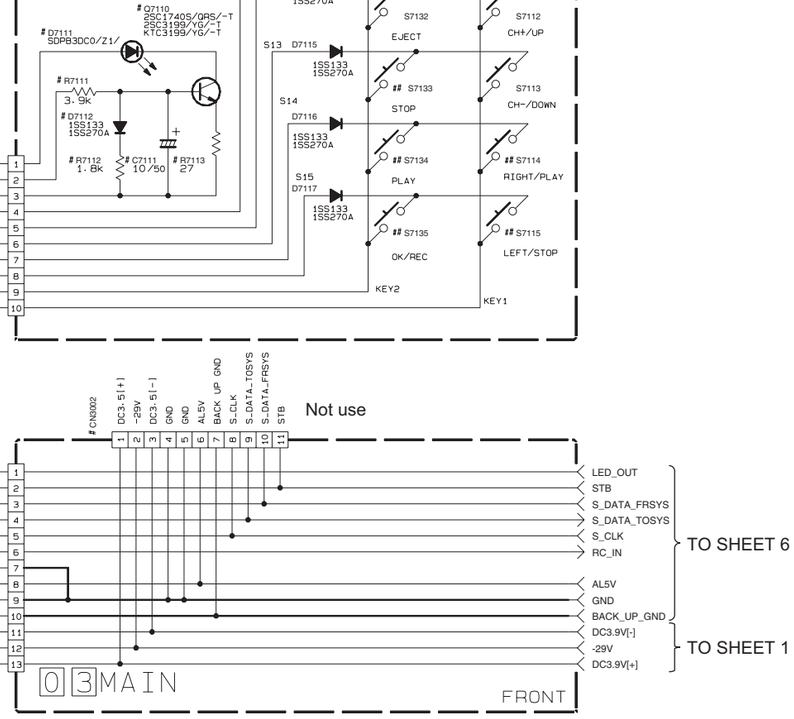
SHEET 9

■ FL Display and operation switch section









Parts are not attach

DIFFERENCE TABLE

	S7102	S7103	S7104	S7111	S7114	S7115	S7131	S7133	S7134	S7135	C7102	R7102·R7103·D7102 D7103·D7104·D7113	3 6 JACK PWB
M100	×	×	×	×	PLAY	STOP	×	×	×	REC	×	×	No. 4100 #
MH300	HDD	REC	DVD	NAVI	RIGHT	LEFT	TV GUIDE	STOP	PLAY	OK	×	○	No. 4200 #

		C7151	C7152 C7154
NTSC	JAPAN	0.01	×
	OTHER	SHORT	×
PAL		SHORT	○

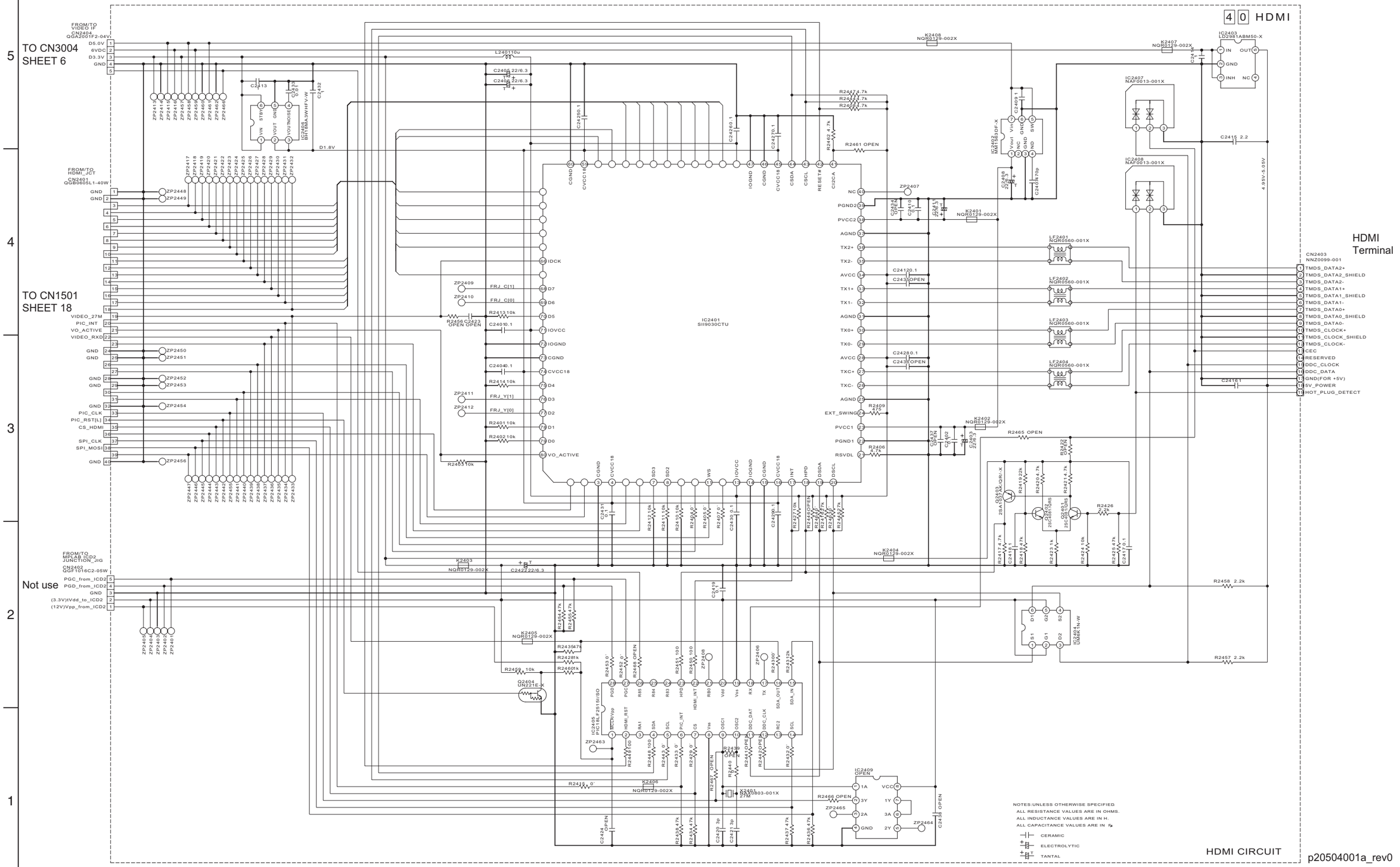
NOTES:UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

ELECTROLYTIC
CERAMIC
MYLER
NON POLAR

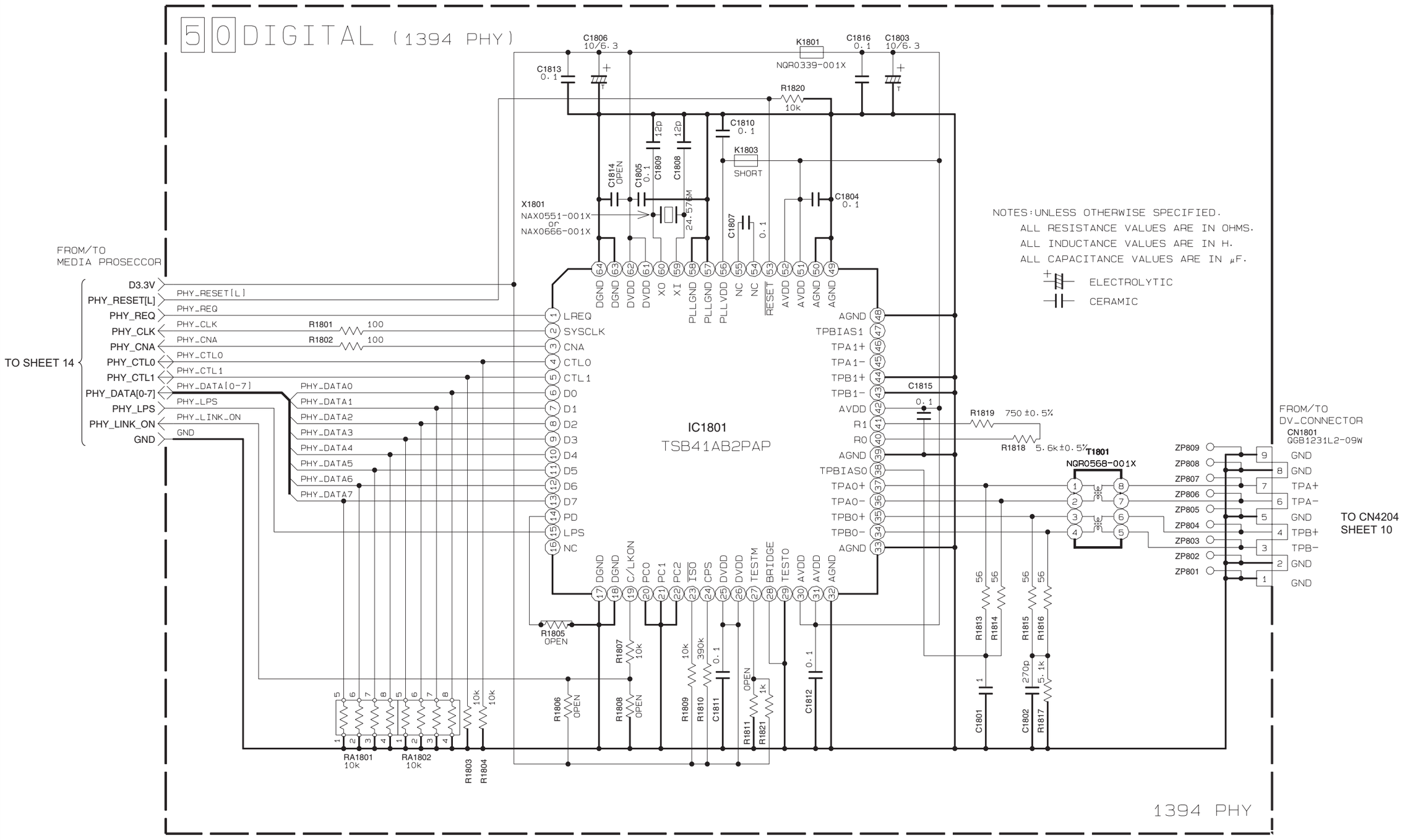
p20479001a_rev1

SHEET 10

■ HDMI Transmitter section



■ IEEE1394 section



NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

ELECTROLYTIC
CERAMIC

p30141001a_rev0

SHEET 12

■ DDR-SDRAM Section

5 0 DIGITAL (DDR_SDRAM)

DIFFERENCE TABLE

IC1701	K1701 B1701	B1702
LP2996MA-X	X	O
BD3533F-X	O	X

IC1601~1604	R1621, R1622 R1627~1632
HY5DU561622DT-J	56Ω
NT5DS16M16CS-6K	100Ω

NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

ELECTROLYTIC
CERAMIC

TOP #1 — IC1603

TOP #2 — IC1604

BOTTOM #1 — IC1601

BOTTOM #2 — IC1602

IC1701 LP2996

TO SHEET 14

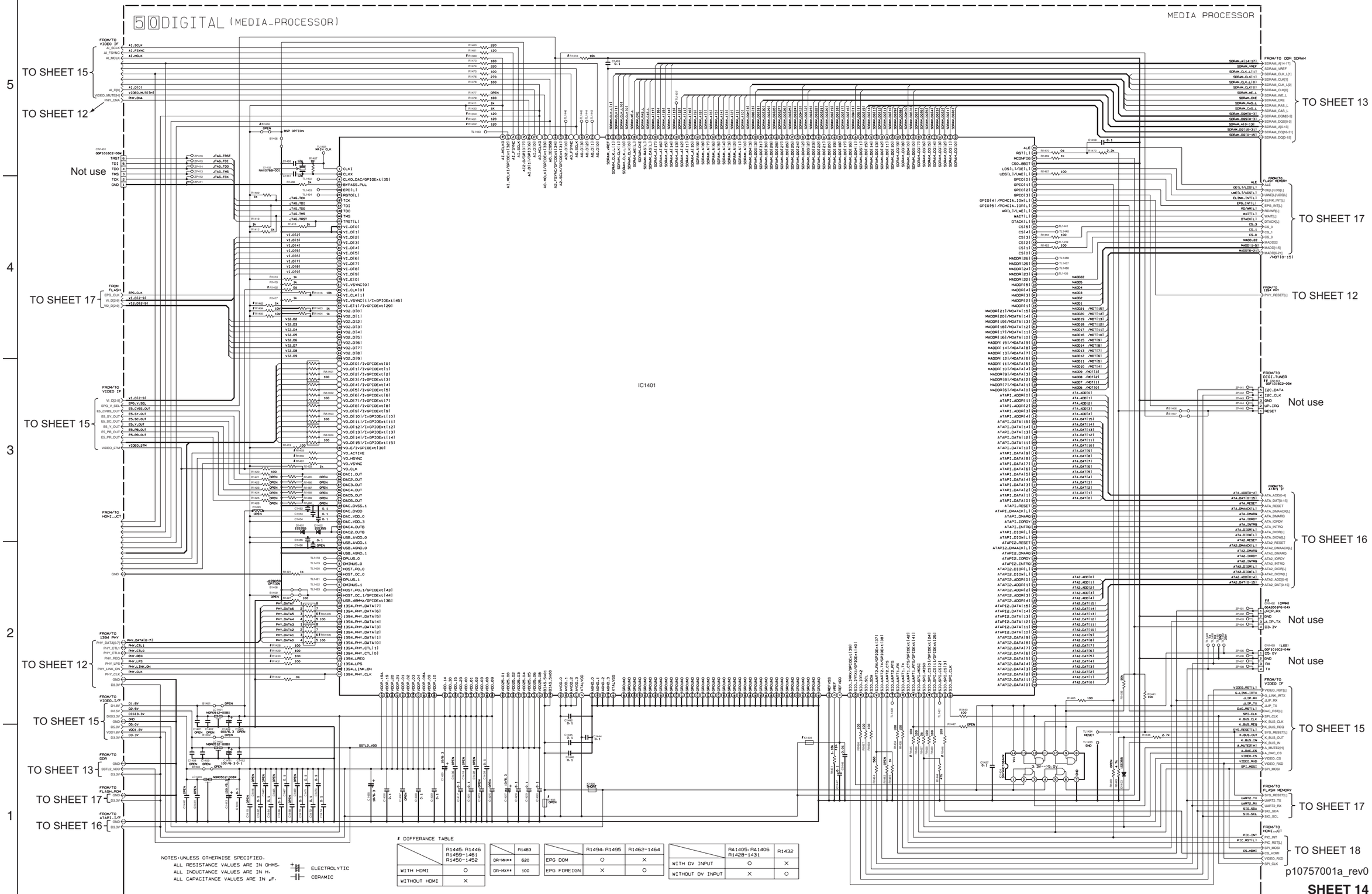
FROM/TO MEDIA PRO: D3.3V, SDRAM_VREF, SSTL2_VDD, GND, SDRAM_DQ[0-15], SDRAM_DQ[16-31], SDRAM_A[0-17], SDRAM_CKE, SDRAM_RAS_L, SDRAM_CAS_L, SDRAM_WE_L, SDRAM_DQM[0], SDRAM_DQM[1], SDRAM_DQM[2], SDRAM_DQM[3], SDRAM_DQS[0], SDRAM_DQS[1], SDRAM_DQS[2], SDRAM_DQS[3], SDRAM_CLK[0], SDRAM_CLK[1], SDRAM_CLK_L[0], SDRAM_CLK_L[1]

DDR SDRAM

p10758001a_rev0

SHEET 13

■ Media processor section



p10757001a_rev0

SHEET 14

■ Video interface section

5 DIGITAL (VIDEO_IF)

TO SHEET 14

TO CN4101 SHEET 8

TO CN4102 SHEET 8

TO SHEET 8

TO SHEET 14

TO CN4103 SHEET 8

TO SHEET 14

TO SHEET 17

IC1001 JCP8059

NOTES:UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.
ELECTROLYTIC
CERAMIC

	Q1004, Q1005 R1045, R1047, R1055, R1063
DOM&US	×
EURO	○

TO SHEET 14

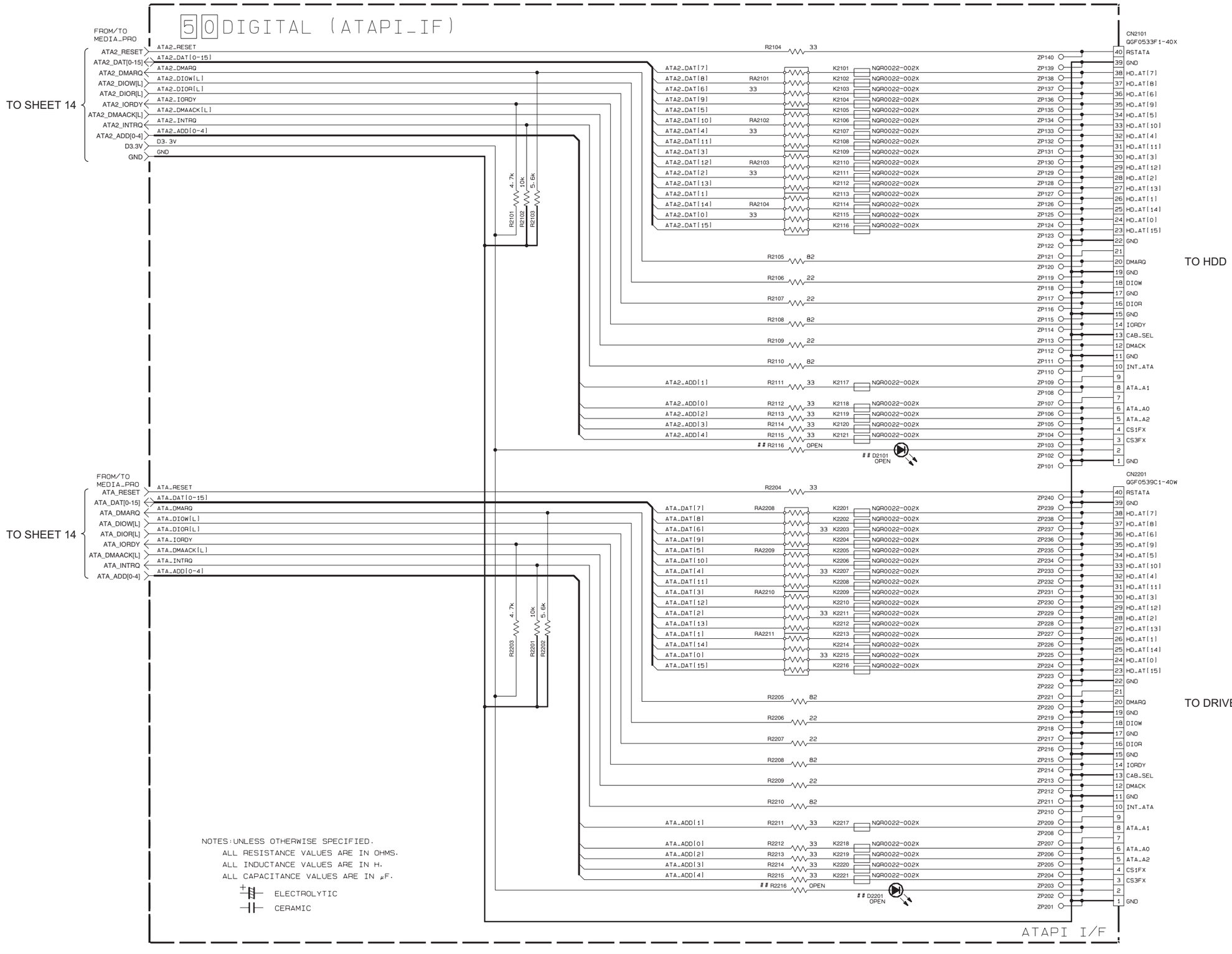
VIDEO I/F

p10759001a_rev0

SHEET 15

2-41 2-42

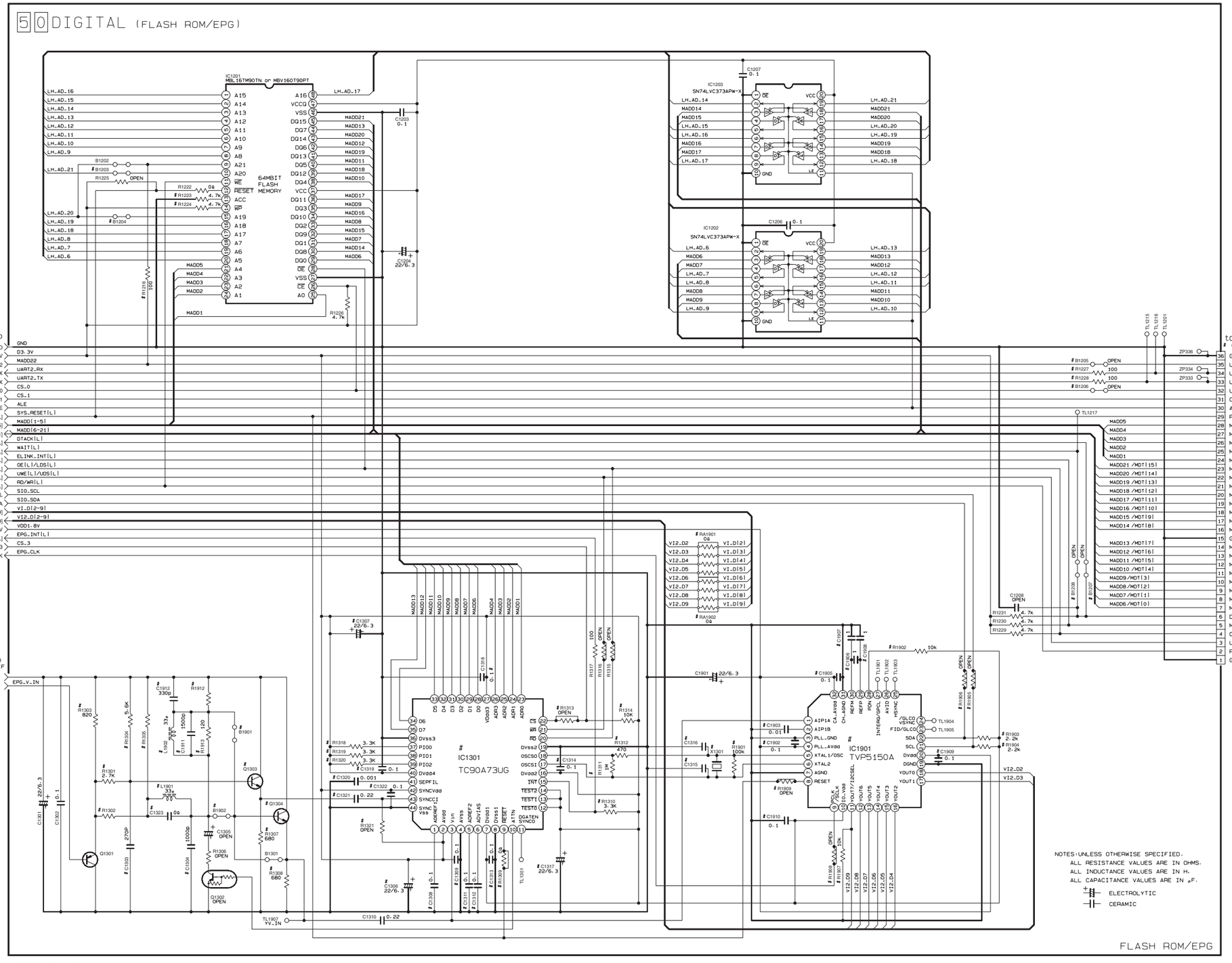
■ ATAPI Interface section



p20507001a_rev0

SHEET 16

■ FLASH-ROM/EPG Section



DIFFERENCE TABLE

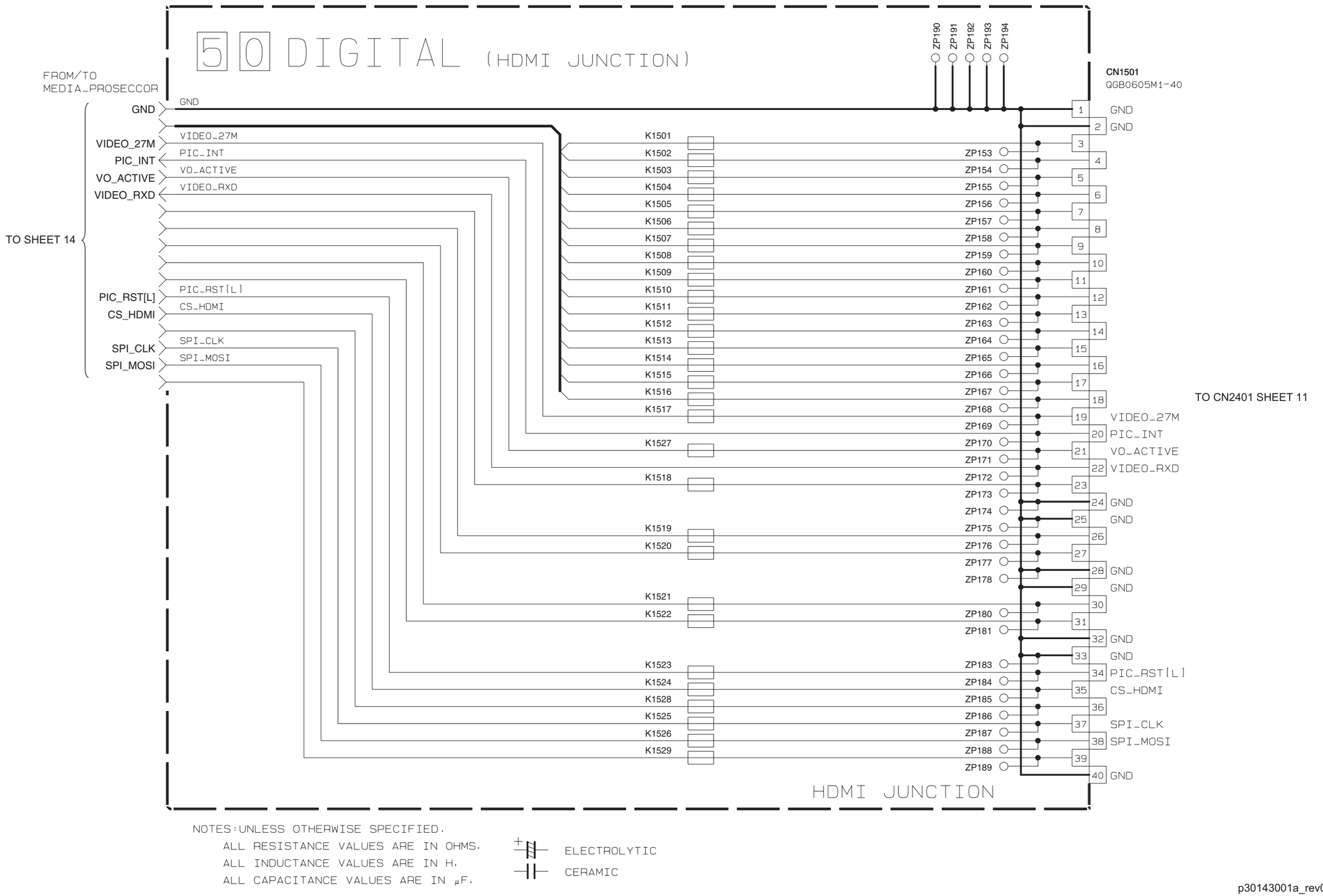
	C1315	C1316	X1301
DOM	22p	18p	NAX0719-001X or NAX0785-001X
US/EU	12p	12p	NAX0733-001X

	R1302	R1305	L1901, L1902, C1304, C1912	R1913, C1911	R1912	C1323	B1901	B1902, R1301, R1307, C1303, Q1303
DOM	3.3k	6.8k	×	×	×	○	×	○
US	180	330p	○	×	180	×	○	×
EURO	0Ω	×	×	○	560	○	○	×

p10760001a_rev1

SHEET 17

■ HDMI Junction section



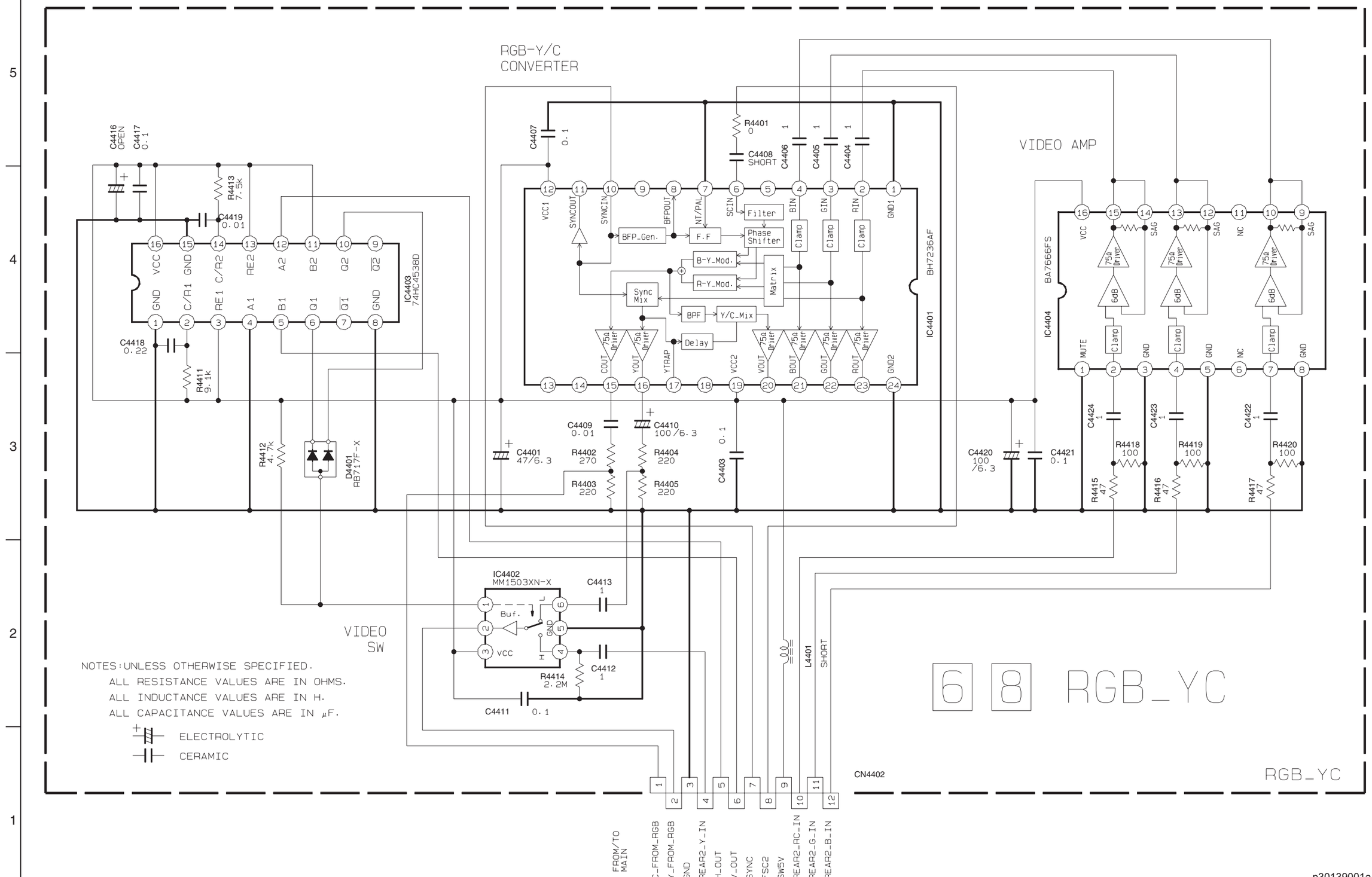
NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

ELECTROLYTIC
CERAMIC

p30143001a_rev0

SHEET 18

■ RGB-Y/C Converter Section

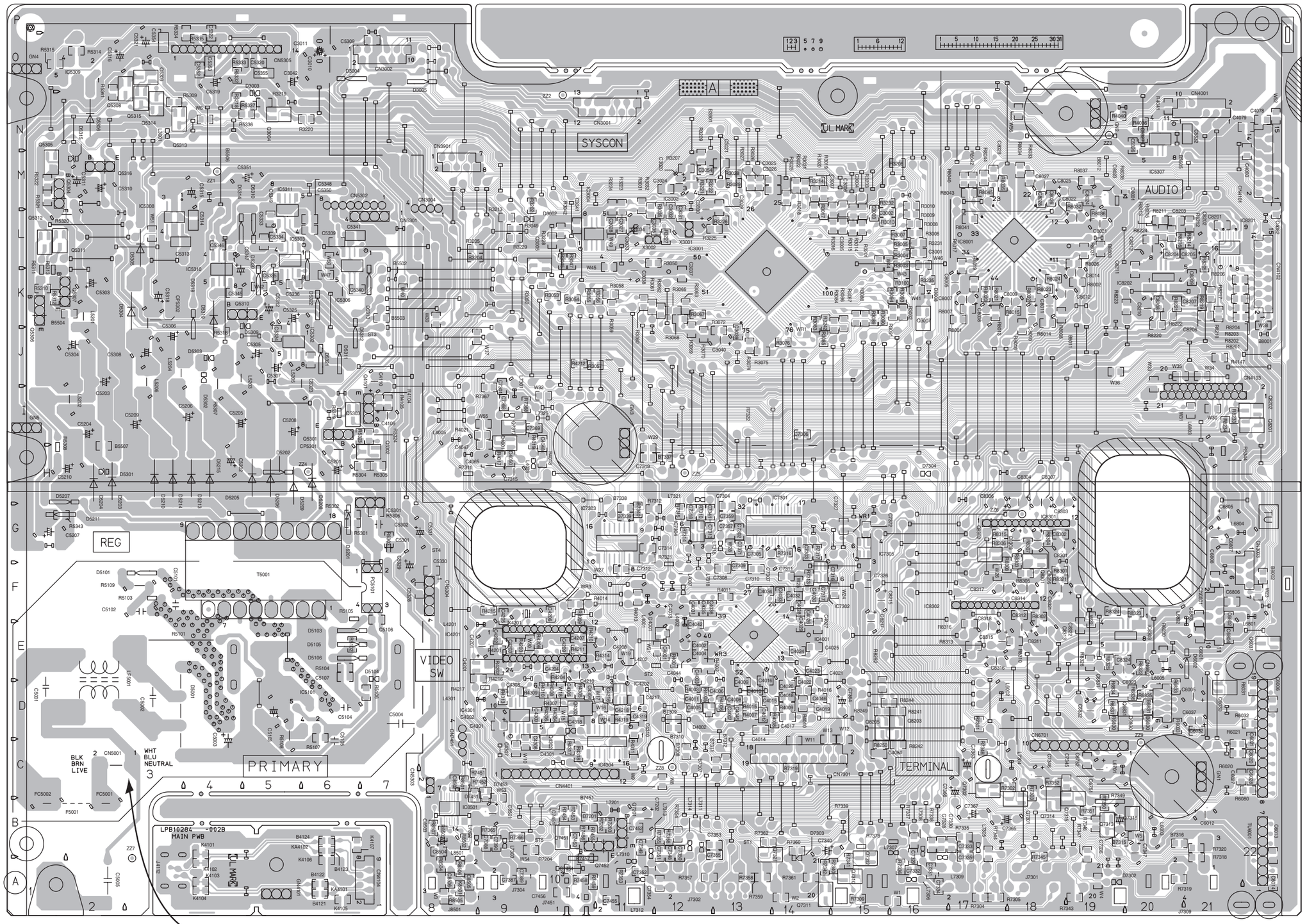


p30139001a_rev0

SHEET 19

Printed circuit boards

■ Main board <03>



COMPONENT PARTS LOCATION GUIDE <MAIN>

REF.NO.	LOCATION
CAPACITOR	
C3001	B C 16L
C3002	B C 15L
C3003	B C 15L
C3004	B C 15L
C3005	B C 15L
C3006	B C 15M
C3007	B C 15L
C3010	A D 6O
C3011	A D 6O
C3020	A D 12M
C3021	B C 13M
C3024	B C 12M
C3025	B C 14M
C3026	B C 14M
C3027	B C 11L
C3028	B C 11L
C3029	B C 13M
C3030	A D 12L
C3031	B C 12L
C3032	B C 12L
C3033	A D 11L
C3034	B C 11L
C3035	B C 12L
C3037	B C 12K
C3038	A D 11K
C3039	B C 13J
C3040	A D 13J
C3041	B C 10L
C3042	A D 6O
C3054	B C 12M
C4001	B C 12E
C4002	B C 12E
C4003	B C 12E
C4004	B C 12E
C4005	B C 12D
C4006	B C 13D
C4007	B C 13D
C4008	B C 13D
C4009	B C 13D
C4010	B C 13D
C4011	B C 12D
C4012	B C 13D
C4013	A D 12F
C4014	B C 13D
C4015	B C 13D
C4016	B C 13D
C4017	B C 14D
C4018	B C 14D
C4019	B C 14D
C4020	B C 14D
C4021	B C 14E
C4022	B C 14D
C4023	B C 14E
C4024	B C 14E
C4025	B C 14E
C4026	B C 14F
C4027	B C 14E
C4028	B C 14F
C4029	B C 14E
C4030	B C 14F
C4031	B C 12F
C4032	B C 14F
C4033	B C 14F
C4034	B C 13F
C4035	B C 12F
C4036	B C 12F
C4042	B C 12E
C4044	A D 12E
C4045	B C 13D
C4046	B C 14D
C4047	B C 9I
C4048	B C 10I
C4050	B C 9H
C4065	A D 9H
C4078	B C 22N
C4079	B C 22N
C4080	B C 22M
C4082	B C 22L
C4084	B C 15C
C4109	A D 7I
C4110	A D 7I
C4201	A D 9E
C4202	B C 9E
C4203	B C 9E
C4204	B C 10E
C4205	B C 9F
C4206	B C 10F
C4207	B C 10E
C4208	A D 11E
C4209	B C 10E
C4210	A D 10E
C4216	B C 11D
C4217	B C 11D
C4218	B C 11D
C4301	B C 9D
C4302	A D 9D
C4304	B C 10D
C4305	B C 10D
C4306	B C 9C
C4307	B C 9C
C4308	B C 9D
C4309	B C 10D
C4310	B C 11D
C4318	B C 10D
C4319	B C 11D
C5001	A D 1E
C5002	A D 3E
C5003	A D 4D
C5004	A D 7D
C5005	A D 2A
C5101	A D 3F
C5102	A D 3F
C5103	A D 5D
C5104	A D 6D
C5105	A D 6C
C5106	B C 7F
C5107	B C 6E
C5201	A D 6H
C5202	A D 4H
C5203	A D 2J
C5204	A D 2I
C5205	A D 5I
C5206	A D 4I
C5207	A D 1G
C5208	A D 6I
C5209	A D 3I
C5210	A D 2H
C5301	A D 7G
C5302	A D 7G
C5303	A D 2K
C5304	A D 1J
C5305	A D 5J
C5306	A D 3J
C5307	A D 5J
C5308	A D 3J
C5309	B C 7O
C5310	A D 2M
C5311	A D 2M
C5312	A D 5K
C5313	B C 3L
C5314	B C 4L
C5315	A D 4M
C5316	A D 2O
C5318	A D 3K
C5319	A D 4O
C5320	B C 5O
C5321	A D 3P
C5322	B C 4O
C5323	B C 6J
C5324	B C 5J
C5325	A D 6K
C5326	B C 20N
C5327	B C 20N
C5328	B C 8F
C5329	A D 7G
C5330	B C 8F
C5331	A D 8G
C5332	B C 21N
C5333	B C 5L
C5334	B C 5L
C5335	B C 5K
C5336	B C 5K
C5339	B C 6L
C5340	B C 6K
C5341	B C 6L
C5345	B C 4K
C5346	B C 4L
C5347	A D 4L
C5348	B C 6L
C5349	B C 5L
C5350	B C 6L
C5351	A D 5M
C5352	B C 4O
C5353	B C 4O
C5354	B C 3O
C5355	B C 5O
C6005	A D 21D
C6006	B C 22D
C6012	A D 21B
C6013	B C 22B
C6014	B C 22A
C6020	B C 22C
C6021	B C 22C
C6027	B C 21C
C6028	B C 22C
C6032	B C 21D
C6037	A D 21D
C6751	A D 19C
C6752	B C 19C
C6801	B C 21E
C6802	B C 21F
C6803	B C 21F
C6804	B C 21E
C6805	A D 21G
C6806	B C 21F
C6807	A D 21G
C6808	B C 21F
C6831	A D 19D
C6832	A D 19D
C7202	A D 11B
C7301	B C 9I
C7302	B C 13G
C7303	B C 14G
C7304	B C 13G
C7305	B C 13G
C7306	B C 14I
C7307	A D 13G
C7308	B C 13F
C7309	B C 13F
C7310	B C 13F
C7311	B C 14F
C7312	B C 11G
C7313	B C 12G
C7314	B C 11G
C7315	A D 9H
C7316	B C 15F
C7317	B C 14F
C7318	B C 12G
C7319	B C 11H
C7326	B C 15F
C7327	B C 15G
C7328	B C 16B
C7329	B C 16B
C7330	B C 17B
C7331	B C 16A
C7332	B C 16A
C7333	B C 17B
C7334	B C 16A
C7335	B C 17B
C7336	A D 19B
C7340	A D 15B
C7341	B C 12G
C7345	B C 19C
C7346	A D 18C
C7347	A D 20B
C7348	B C 12B
C7349	B C 11B
C7350	B C 12B
C7351	B C 12B
C7352	B C 11A
C7353	B C 13B
C7354	B C 12A
C7355	B C 13B
C7357	B C 13G
C7359	B C 13G
C7363	A D 17C
C7364	A D 15D
C7365	A D 17B
C7366	A D 17C
C7367	A D 17B
C7368	B C 9I
C7369	B C 9I
C7371	B C 13G
C7372	B C 15G
C7387	B C 9A
C7388	B C 9B
C7389	B C 9A
C7390	B C 9B
C7451	B C 10B
C7452	B C 11B
C7453	B C 10B
C7454	B C 10A
C7455	B C 11A
C7456	B C 10A
C8005	A D 17K
C8007	A D 17K
C8008	A D 17K
C8009	A D 17K
C8010	A D 18K
C8011	A D 18K
C8012	A D 18K
C8014	A D 19K
C8021	A D 19L
C8022	A D 19L
C8023	A D 19M
C8024	B C 19M
C8025	A D 18M
C8026	B C 18M
C8027	A D 18M
C8028	B C 18M
C8029	B C 17M
C8201	B C 21L
C8202	A D 21L
C8203	B C 20L
C8204	B C 20L
C8205	B C 21L
C8206	B C 21K
C8207	B C 21K
C8208	B C 20K
C8209	B C 21K
C8210	A D 20K
C8211	B C 20K
C8212	A D 20L
C8215	A D 15F
C8217	A D 15F
C8301	A D 19G
C8302	B C 18G
C8303	A D 19H
C8304	A D 18H
C8305	A D 18G
C8306	A D 17H
C8307	A D 18H
C8308	A D 18G
C8311	A D 18E
C8312	B C 18F
C8313	A D 18E
C8314	A D 18F
C8315	A D 17E
C8316	A D 17E
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C8324	B C 19E
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C8503	A D 8B
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C8505	B C 8A
C8506	B C 8A
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CN3003	A D 22G
CN3004	A D 8M
CN3901	A D 8M
CN4001	A D 21N
CN4101	A D 22M
CN4102	A D 22K
CN4103	A D 22I
CN4104	A D 7A
CN4401	A D 9C
CN5001	A D 2C
CN5301	A D 7L
CN5302	A D 7M
CN5303	A D 8C
CN5304	A D 8F
CN5305	A D 3O
CN6701	A D 19C
CN6801	A D 21F
CN6802	A D 20D
CN7301	A D 15C
CN7451	A D 8C
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D3003	A D 5N
D3004	A D 7O
D3005	A D 7O
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D5104	A D 7E
D5105	A D 6E
D5106	A D 6E
D5201	A D 6G
D5202	A D 5H
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D5211	A D 1H
D5213	A D 4H
D5214	A D 3H
D5215	A D 4H
D5301	A D 2H
D5302	A D 4I
D5303	A D 4J
D5304	A D 3J
D5305	A D 3K
D5306	A D 2N
D5309	A D 5K
D5310	A D 5M
D5311	A D 6J
D5312	A D 6J
D5313	A D 7K
D5314	A D 4L
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D7304	A D 16H
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D7453	B C 9C
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FUSE	
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IC	
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IC3002	B C 12M
IC3004	B C 10L
IC4001	B C 13E
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IC4202	B C 11D
IC4301	B C 9D
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IC8202	B C 20K
IC8301	A D 17G
IC8302	A D 17F
IC8303	B C 20E
IC8501	B C 8B
COIL	
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L4001	A D 11F
L4002	A D 12E
L4003	A D 9H
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L4201	A D 8E
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L5204	A D 3J
L5205	A D 6I
L5206	A D 3I
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L6003	A D 20B
L6005	A D 20E
L6701	A D 19C
L6801	A D 22F
L6802	A D 21E
L6803	A D 21H
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L7308	A D 16B
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L7316	A D 13G
L7318	A D 12G
L7321	A D 12H
L7325	A D 9I
L8501	A D 8A
TRANSISTOR	
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Q3005	B C 10L
Q3007	B C 16K
Q4001	B C 9I
Q4101	A D 7I
Q4201	B C 9E
Q4302	B C 10C
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Q5301	A D 6I
Q5302	B C 7H
Q5303	B C 6I
Q5304	A D 1M
Q5305	B C 1M
Q5306	A D 1K
Q5307	A D 1K
Q5308	B C 3O
Q5309	B C 3O
Q5310	A D 5K
Q5311	B C 1L
Q5312	B C 1L
Q5313	B C 3N
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Q5316	A D 2M
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Q8202	B C 22I
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Q8302	B C 17G
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R3042	B C 10L
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R3047	B C 10L
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R3219	B C 5N
R3220	B C 6N
R3221	B C 12M
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R4011	B C 13F
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R5105	A D 7F
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R5108	A D 5C
R5109	A D 3F
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R5313	A D 1K
R5314	B C 2O
R5315	B C 1O
R5318	B C 4J
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R5323	B C 7I
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R5332	B C 4O
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R5344	A D 21H
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R7321	A D 12F
R7322	A D 13F
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R8242	B C 16C
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R8252	B C 15D
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R8321	B C 18F
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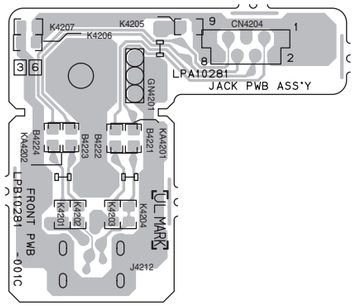
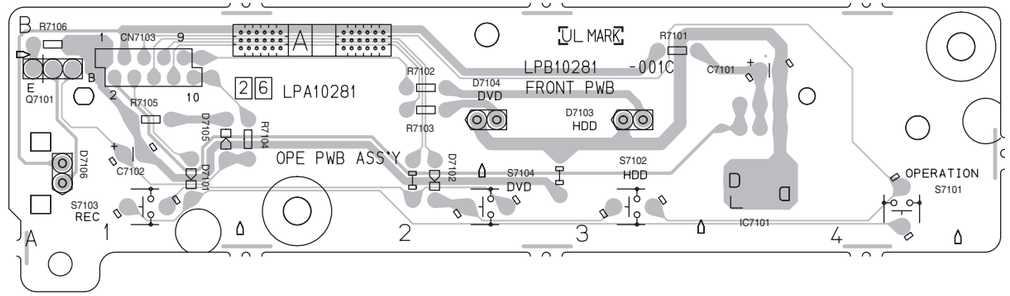
R8325	B C 19E
R8326	B C 19E
R8501	B C 8C
R8502	B C 8B
R8503	B C 8B
R8504	B C 8A
R8505	B C 8A
R8506	B C 8A
R8507	B C 8B
OTHER	
CP5301	A D 6H
CP5302	A D 3J
FC5001	A D 2B
FC5002	A D 1B
GN1	A D 20C
GN2	A D 19N
GN3	A D 11I
GN4	A D 1N
GN5	A D 1H
GN4101	A D 5A
J4112	A D 3A
J7301	A D 18A
J7302	A D 13A
K4101	B C 4B
K4102	B C 4A
K4103	B C 4A
K4104	B C 4A
K4105	B C 6A
K4106	B C 6A
K4107	B C 6B
K8501	B C 8A
KA4101	B C 6A
KA4102	B C 6B
LF5001	A D 2D
PC018	B C 20O
PC01980	B C 19C
PC5101	A D 7F
T5001	A D 6F
TU6001	A D 22A
WR1	A D 14J
WR3	A D 10F
X3001	A D 12L
X3002	A D 11L
X4201	A D 9F

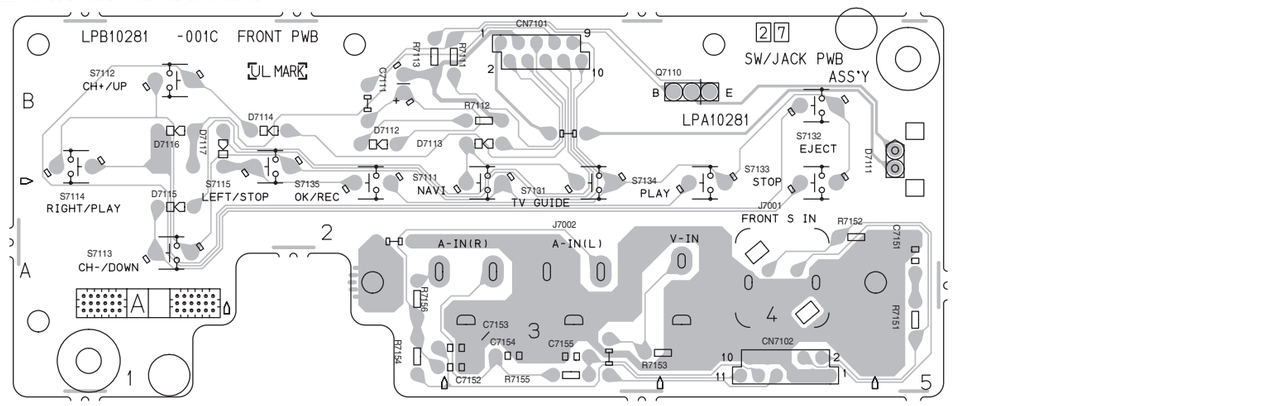
■ Jack board <36>



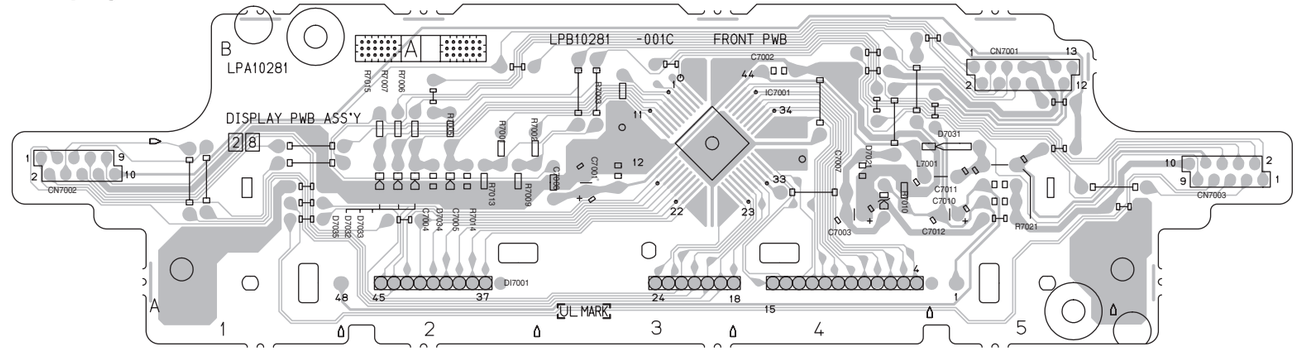
■ Operation board <26>



■ Switch/Jack board <27>

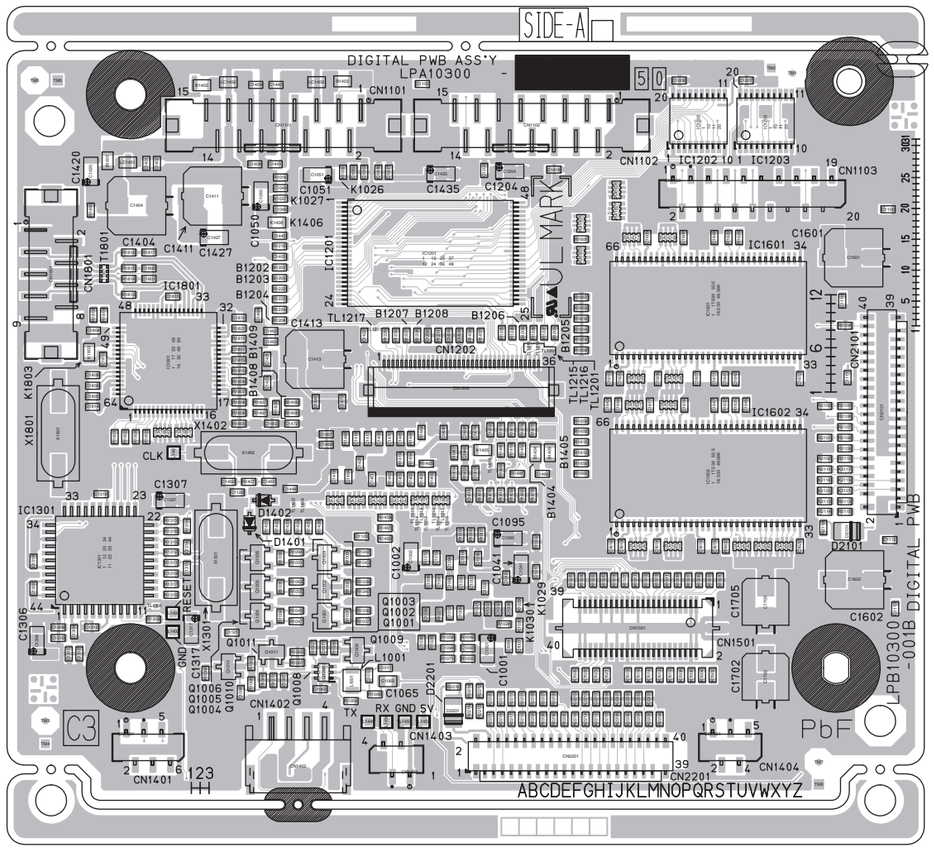


■ Display board <28>

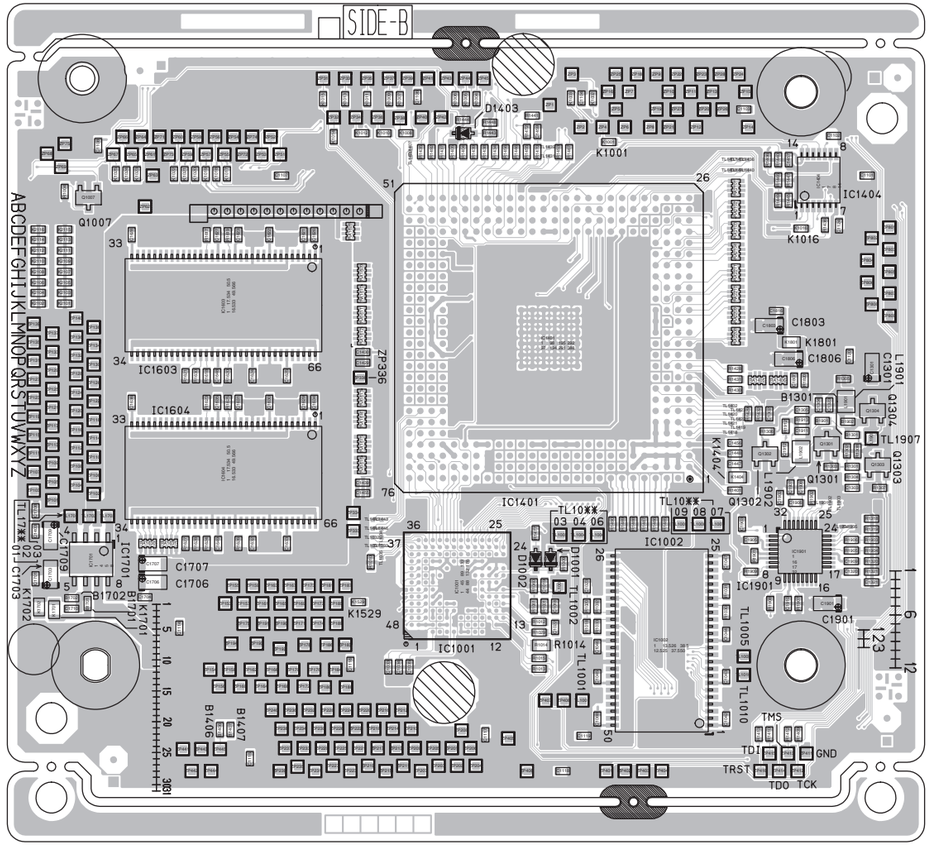


■ Digital board <50>

Forward side



Reverse side



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1 2 3 4 5 6 7

COMPONENT PARTS LOCATION GUIDE <DIGITAL>

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C1002	A C 4C
C1003	A C 4B
C1005	A C 4C
C1007	A C 4B
C1008	A C 4B
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C1017	A C 3C
C1018	B C 5B
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C1032	A C 4B
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C1105	A C 4F
C1106	B C 4F
C1107	B C 3F
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C1109	A C 1E
C1110	A C 1E
C1111	A C 1D
C1112	A C 1C
C1113	A C 1B
C1114	B C 2B
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C1116	B C 3B
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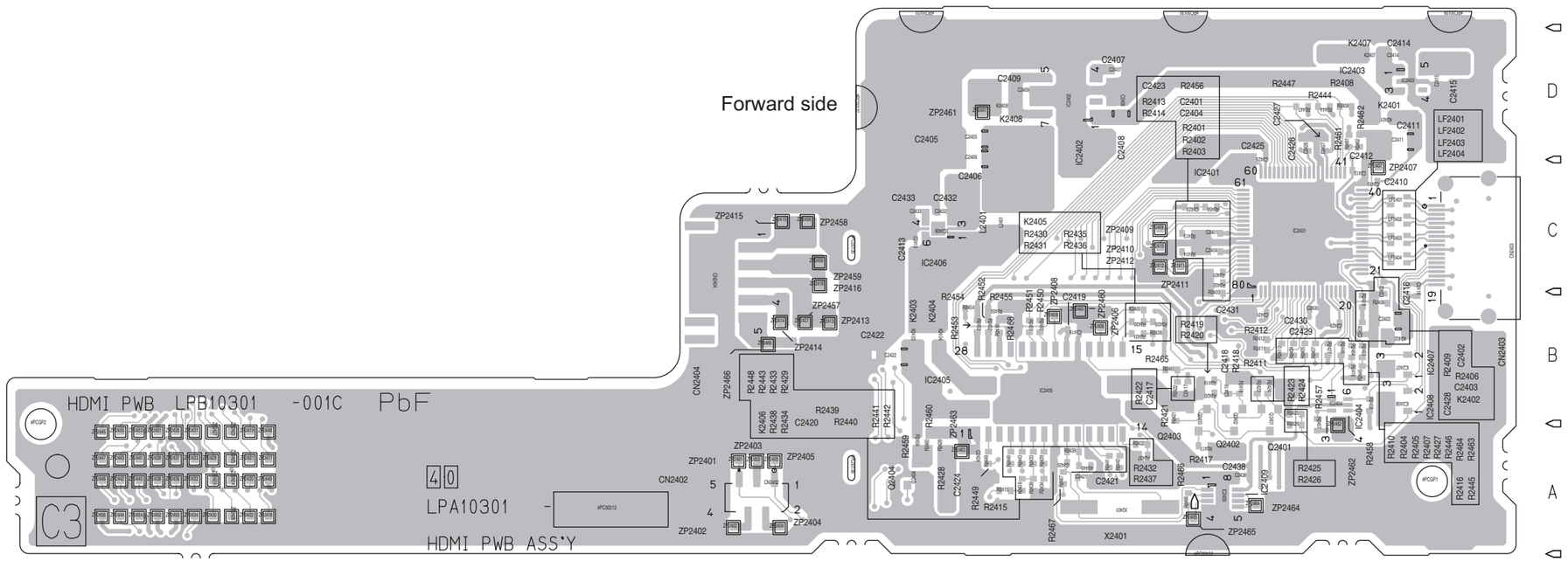
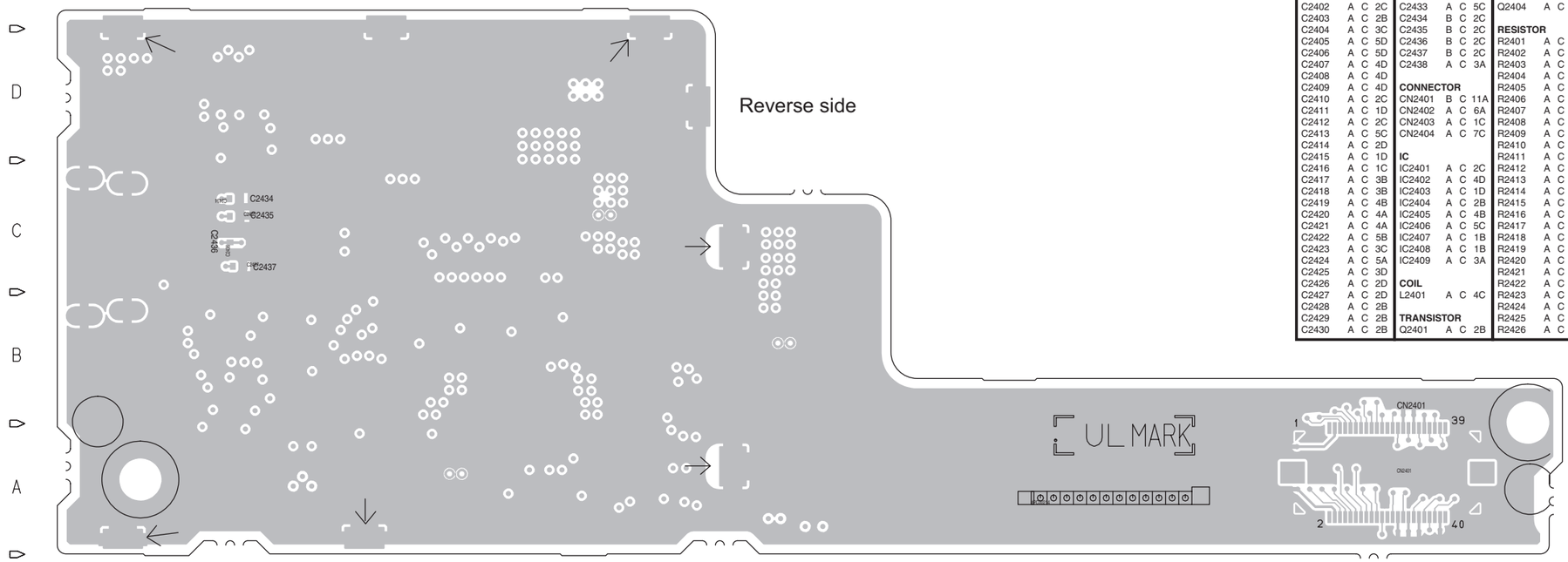
■ HDMI board <40>



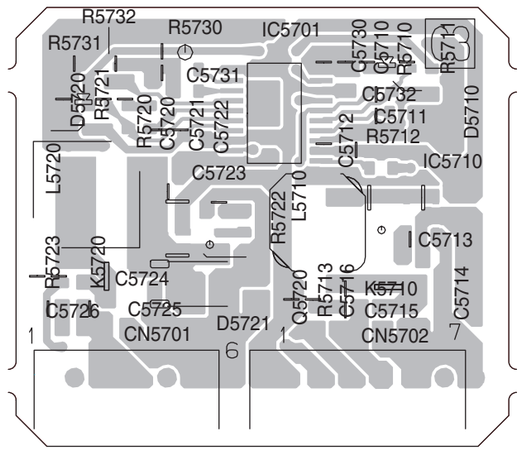


COMPONENT PARTS LOCATION GUIDE <HDMI>

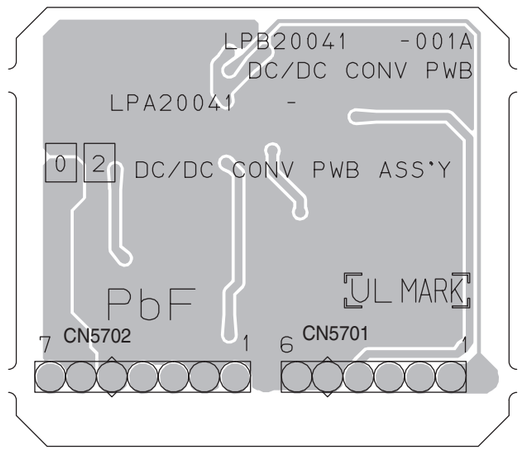
REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION
CAPACITOR		C2431	A C 3B	Q2402	A C 3B	R2427	A C 2B	R2458	A C 2B
C2401	A C 3C	C2432	A C 5C	Q2403	A C 3B	R2428	A C 5A	R2459	A C 5A
C2402	A C 2C	C2433	A C 5C	Q2404	A C 5A	R2429	A C 4A	R2460	A C 5A
C2403	A C 2B	C2434	B C 2C			R2430	A C 3B	R2461	A C 2D
C2404	A C 3C	C2435	B C 2C	**RESISTOR**		R2431	A C 3B	R2462	A C 2D
C2405	A C 5D	C2436	B C 2C	R2401	A C 3C	R2432	A C 3A	R2463	A C 2B
C2406	A C 5D	C2437	B C 2C	R2402	A C 3C	R2433	A C 4A	R2464	A C 2B
C2407	A C 4D	C2438	A C 3A	R2403	A C 3B	R2434	A C 4A	R2465	A C 3B
C2408	A C 4D			R2404	A C 2B	R2435	A C 3B	R2466	A C 3A
C2409	A C 4D	**CONNECTOR**		R2405	A C 2B	R2436	A C 3B	R2467	A C 4A
C2410	A C 2C	CN2401	B C 11A	R2406	A C 2B	R2437	A C 3A	R2468	A C 5B
C2411	A C 1D	CN2402	A C 6A	R2407	A C 2B	R2438	A C 4A		
C2412	A C 2C	CN2403	A C 1C	R2408	A C 2D	R2439	A C 4A	**OTHER**	
C2413	A C 5C	CN2404	A C 7C	R2409	A C 2B	R2440	A C 4A	K2401	A C 2D
C2414	A C 2D			R2410	A C 2B	R2441	A C 4A	K2402	A C 1B
C2415	A C 1D	**IC**		R2411	A C 3B	R2442	A C 4A	K2403	A C 5B
C2416	A C 1C	IC2401	A C 2C	R2412	A C 3B	R2443	A C 4A	K2404	A C 5B
C2417	A C 3B	IC2402	A C 4D	R2413	A C 3C	R2444	A C 2D	K2405	A C 3B
C2418	A C 3B	IC2403	A C 1D	R2414	A C 3C	R2445	A C 2B	K2406	A C 4A
C2419	A C 4B	IC2404	A C 2B	R2415	A C 4A	R2446	A C 2B	K2407	A C 2D
C2420	A C 4A	IC2405	A C 4B	R2416	A C 2B	R2447	A C 2D	K2408	A C 4D
C2421	A C 4A	IC2406	A C 5C	R2417	A C 3A	R2448	A C 4A	LF2401	A C 1C
C2422	A C 5B	IC2407	A C 1B	R2418	A C 3B	R2449	A C 5A	LF2402	A C 1C
C2423	A C 3C	IC2408	A C 1B	R2419	A C 3B	R2450	A C 4B	LF2403	A C 1C
C2424	A C 5A	IC2409	A C 3A	R2420	A C 3B	R2451	A C 4B	LF2404	A C 1C
C2425	A C 3D			R2421	A C 3B	R2452	A C 5B	X2401	A C 4A
C2426	A C 2D	**COIL**		R2422	A C 3B	R2453	A C 5B		
C2427	A C 2D	L2401	A C 4C	R2423	A C 3B	R2454	A C 5B		
C2428	A C 2B			R2424	A C 2B	R2455	A C 5B		
C2429	A C 2B	**TRANSISTOR**		R2425	A C 2B	R2456	A C 3C		
C2430	A C 2B	Q2401	A C 2B	R2426	A C 2A	R2457	A C 2A		

■ DC/DC Converter board <02>

Forward side



Reverse side



■ Demodulator board <14>

■ RGB-Y/C Converter board <68>

■ VOLTAGE CHARTS

<MAIN>

MODE PIN NO.	P.ON
IC3001	
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2	0
3	4.9
4	4.9
5	2.1
6	4.7
7	4.8
8	0
9	4.6
10	0
11	0
12	0
13	0.3
14	4.0
15	0
16	0.3
17	4.9
18	4.9
19	4.9
20	4.5
21	4.9
22	0.1
23	0.1
24	4.8
25	0
26	5.0
27	2.0
28	0
29	0
30	0
31	4.9
32	4.8
33	4.9
34	4.9
35	4.8
36	4.9
37	2.4
38	2.3
39	0
40	1.9
41	0
42	0
43	0
44	0
45	0
46	0
47	0
48	0
49	0
50	0
51	4.9
52	0
53	0
54	0
55	4.8
56	0
57	5.0
58	4.9
59	0
60	0
61	4.8
62	0
63	0
64	0
65	0
66	0
67	0
68	0
69	0
70	0
71	0
72	0
73	0.1
74	0
75	0
76	0
77	0
78	0
79	0
80	4.9
81	0
82	0
83	0
84	0
85	0.7
86	3.9
87	0
88	5.0
89	4.9
90	0
91	0
92	0
93	4.8
94	4.9
95	0
96	0

MODE PIN NO.	P.ON
97	0
98	0
99	0
100	0
IC3002	
1	4.9
2	5.0
3	0
4	0
IC3004	
1	0
2	0
3	0
4	0
5	4.9
6	4.9
7	0
8	4.9
IC4001	
1	0
2	2.8
3	4.9
4	2.8
5	0
6	0
7	2.8
8	2.9
9	2.7
10	0
11	1.3
12	5.0
13	1.3
14	0
15	1.3
16	0.1
17	1.7
18	0
19	0
20	0
21	0
22	0
23	2.2
24	5.0
25	0
26	0
27	0
28	0
29	5.0
30	0
31	0
32	0
33	0
34	0
35	0
36	5.0
37	5.0
38	1.2
39	0
40	1.3
41	0
42	1.6
43	5.0
44	1.3
45	0
46	1.8
47	5.0
48	1.3
49	0
50	0
51	0
52	0
IC4201	
1	0
2	2.4
3	2.4
4	0
5	0
6	5.0
7	4.9
8	5.0
9	4.7
10	0.1
11	2.8
12	2.9
13	1.2
14	0
15	5.0
16	2.9
17	2.5
18	4.6
19	5.0
20	0
21	0
22	3.6
23	5.0
24	5.0
IC4202	

MODE PIN NO.	P.ON
1	0
2	1.9
3	5.0
4	1.5
5	0
6	1.7
IC4301	
1	0
2	4.9
3	0.7
4	0
5	0.3
6	3.9
7	5.0
8	0
9	5.0
10	0.1
IC4304	
1	0
2	4.7
3	5.0
4	4.8
5	0
6	0
7	4.4
8	0
9	4.7
10	0.2
11	4.6
12	0
13	5.0
14	4.8
15	0
16	5.0
IC5101	
1	302.2
2	0
3	0
4	16.4
5	2.4
IC5301	
1	2.4
2	0
3	4.6
IC5302	
1	5.0
2	0
3	0
4	3.3
5	4.9
6	0
7	0
8	5.8
IC5303	
1	4.8
2	4.9
3	5.4
4	3.9
5	3.2
6	0
7	0
8	0
IC5308	
1	5.7
2	4.8
3	5.2
4	1.1
5	0
IC7301	
1	4.9
2	0
3	0
4	2.1
5	4.9
6	0.3
7	5.0
8	1.3
9	2.1
10	0
11	1.6
12	0
13	2.1
14	4.9
15	2.0
16	4.9
17	2.2
18	0
19	0
20	2.2
21	2.2
22	0
23	1.6
24	1.6
25	0
26	0.8
27	0.8
28	0

MODE PIN NO.	P.ON
29	0.8
30	0
31	0
32	2.2
IC7302	
1	0
2	1.9
3	5.0
4	4.1
5	0
6	1.7
IC7303	
1	0
2	0
3	0
4	1.8
5	1.8
6	0
7	-4.0
8	0
9	0
10	0
11	0
12	0
13	0.1
14	0.6
15	0.6
16	5.0
IC7304	
1	0
2	2.1
3	5.0
4	2.9
5	0
6	2.8
IC8001	
1	2.4
2	0
3	2.4
4	0
5	2.4
6	0
7	0
8	0
9	0
10	0
11	2.4
12	2.4
13	2.4
14	2.4
15	0
16	0

MODE PIN NO.	P.ON
IC8202	
1	0
2	1.2
3	1.2
4	-9.1
5	1.2
6	1.2
7	0
8	10.4
IC8301	
1	7.3
2	0
3	7.2
4	0
5	6.6
6	0
7	6.6
8	0
9	7.3
10	11.0
11	7.3
12	0
IC8302	
1	7.2
2	0
3	7.3
4	0
5	6.6
6	0
7	6.6
8	0
9	7.2
10	11.0
11	7.2
12	0
IC8303	
1	0
2	0
3	0
4	-9.1
5	0
6	0
7	0
8	10.3
IC8501	
1	3.2
2	1.5
3	1.5
4	0
5	0
6	0
7	0
8	1.6
9	1.6
10	3.2
11	1.6
12	1.6
13	3.2
14	3.2
Q3004	
E	0
C	0
B	0.5
Q3005	
E	0
C	3.1
B	0
Q3007	
E	0
C	4.8
B	0
Q4001	
E	1.8
C	0
B	0
Q4101	
E	4.9
C	5.7
B	5.7
Q4201	
E	2.0
C	5.0
B	2.5
Q5301	
E	-13.4
C	-13.3
B	-12.5
Q5302	
E	5.7
C	5.6
B	0.4
Q5303	
E	0
C	0
B	4.8
Q5304	
E	7.6

MODE PIN NO.	P.ON
C	7.6
B	6.9
Q5305	
E	0
C	0
B	4.8
Q5306	
E	12.0
C	12.0
B	11.3
Q5307	
E	11.9
C	11.9
B	11.3
Q5308	
E	11.8
C	11.8
B	0
Q5309	
E	0
C	0
B	4.0
Q5310	
E	5.1
C	5.7
B	5.6
Q5311	
E	0
C	0
B	4.9
Q5312	
E	0
C	0
B	4.9
Q5313	
E	0
C	-9.9
B	-9.3
Q5314	
E	5.7
C	5.7
B	0
Q5315	
E	0
C	0
B	4.1
Q5316	
E	11.2
C	12.0
B	11.8
Q6030	
E	4.4
C	0
B	3.8
Q6031	
E	0
C	3.8
B	0
Q7301	
E	0
C	11.1
B	0
Q7302	
E	10.5
C	11.1
B	11.1
Q7310	
E	5.0
C	0
B	4.4
Q7311	
E	0
C	0
B	0
Q7312	
E	0
C	4.4
B	0
Q7313	
E	0
C	0
B	4.8
Q7314	
E	0
C	0
B	4.8
Q7315	
E	0
C	11.1
B	0
Q7316	
E	11.1
C	0
B	11.1
Q7317	
E	1.8
C	0

MODE PIN NO.	P.ON
B	1.2
Q7321	
E	0
C	5.0
B	0
Q7451	
E	0
C	5.0
B	0
Q7452	
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C	0
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Q8201	
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B	0
Q8202	
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B	4.8
Q8203	
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Q8205	
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C	0
B	-4.9
Q8301	
E	0
C	0
B	-4.9
Q8302	
E	0
C	0
B	-4.9
TU6001	
1	5.0
2	0
3	0
4	4.9
5	0
6	0
7	0
8	3.9
9	0
10	4.7
11	0
CN3001	
1	4.0
2	4.7
3	0.2
4	4.9
5	4.8
6	4.9
7	0
8	4.9
9	0
10	0
11	-18.9
12	-27.9
13	-14.8
CN3004	
1	5.0
2	5.7
3	3.2
4	0
CN3901	
1	4.0
2	4.9
3	0
4	0.2
5	0.1
6	0
7	4.9
8	4.9
CN4001	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0

MODE PIN NO.	P.ON
CN4101	
1	0.2
2	0.2
3	2.8
4	4.1
5	0
6	5.0
7	4.8
8	3.2
9	0
10	0
11	0
12	2.3
13	0
14	1.8
15	1.8
CN4102	
1	1.6
2	1.5
3	0.3
4	1.5
5	0.2
6	3.1
7	3.1
8	2.6
9	0
10	0
11	0
12	1.0
13	0
14	1.4
15	1.6
CN4103	
1	3.1
2	4.0
3	0
4	0
5	0
6	0
7	0.6
8	0.6
9	1.1
10	0.6
11	0
12	2.2
13	1.8
14	0
15	3.1
16	0
17	2.0
18	0
19	0
20	4.9
21	0
22	0
23	0
CN4401	
1	0
2	1.4
3	0
4	0
5	4.6
6	0
7	4.6
8	1.9
9	5.0
10	0
11	0
12	0
CN5301	
1	12.0
2	0
3	0
4	5.2
CN5303	
1	7.5
2	0
CN5304	
1	11.9
2	0
3	0
4	2.2
CN5305	
1	4.8
2	1.9
3	1.9
4	0
5	0
6	0
7	0
8	5.8
9	0
10	0.9
11	2.5
12	0
13	5.8
14	0

MODE PIN NO.	P.ON
CN6701	
1	0
2	5.1
3	5.0
4	0
5	0.9
6	0.9
7	4.9
8	0
9	0
10	2.0
CN7451	
1	3.2
2	3.1
3	0
4	2.0

<OPERATION>

MODE PIN NO.	P.ON
IC7101	
1	4.9
2	4.9
3	0
Q7101	
E	0
C	1.4
B	1.5
CN7103	
1	0
2	4.9
3	5.0
4	-26.9
5	0
6	-26.9
7	0
8	0
9	0
10	4.0

<SW/JACK>

MODE PIN NO.	P.ON
CN7101	
1	0
2	0
3	-29.4
4	-29.3
5	-29.4
6	-26.9
7	-29.3
8	0
9	4.1
10	5.0
CN7102	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0

<JACK>

MODE PIN NO.	P.ON
CN4204	
1	0
2	0
3	0
4	0
5	0
6	3.2
7	3.2
8	0
9	0

<DISPLAY>

MODE PIN NO.	P.ON
IC7001	
1	0
2	0
3	0
4	0
5	2.8
6	4.9
7	0
8	4.8
9	4.8
10	0
11	0
12	0
13	5.0
14	-26.9
15	-26.9
16	-17.0
17	-29.4
18	-29.4
19	-29.4
20	-26.9
21	-29.3
22	-17.4
23	-17.3
24	-29.4
25	-26.9
26	-29.3
27	-29.4
28	-29.4
29	-27.0
30	-30.0
31	-27.3
32	-27.3
33	-27.3
34	-27.3
35	-27.3
36	-27.3
37	-27.3
38	-27.3
39	-27.3
40	-27.3
41	-27.3
42	0
43	5.0
44	0
CN7001	
1	4.0
2	4.7
3	0.2
4	4.9
5	4.8
6	4.9
7	0
8	4.9
9	0
10	0
11	-18.9
12	-27.9
13	-14.8
CN7002	
1	5.0
2	4.1
3	0
4	-29.3
5	-26.9
6	-29.4
7	-29.3
8	-29.4
9	0
10	0
CN7003	
1	4.0
2	0
3	0
4	0
5	-26.9
6	0
7	-26.9
8	5.0
9	4.9
10	0

■ VOLTAGE CHARTS

<HDMI>

MODE PIN NO.	P.ON
IC2401	
1	2.8
2	3.1
3	0
4	1.8
5	1.4
6	1.5
7	0
8	0
9	0.2
10	0
11	1.6
12	1.6
13	3.3
14	0
15	0
16	1.8
17	3.2
18	0
19	3.2
20	3.2
21	0
22	0
23	3.3
24	3.1
25	0
26	0
27	0
28	3.2
29	0.2
30	0.2
31	0
32	0.2
33	0.2
34	3.2
35	0.2
36	0.2
37	0
38	3.3
39	0
40	0
41	0.2
42	3.2
43	3.2
44	3.2
45	1.8
46	0
47	0
48	3.2
49	1.2
50	1.3
51	2.6
52	0
53	2.6
54	1.3
55	1.3
56	2.6
57	0.9
58	1.3
59	1.8
60	0
61	0
62	0
63	0
64	1.3
65	1.3
66	1.4
67	2.6
68	3.2
69	3.1
70	0
71	3.2
72	0
73	0
74	1.8
75	0
76	0.2
77	0.2
78	0
79	0
80	2.5
IC2402	
1	3.3
2	0
3	0
4	2.0
5	4.9
6	0
7	4.9
IC2403	
1	5.7
2	0
3	5.7
4	0
5	3.6
IC2404	
1	3.2

MODE PIN NO.	P.ON
2	3.3
3	5.0
4	3.2
5	3.2
6	5.0
IC2405	
1	3.2
2	3.2
3	0
4	3.2
5	3.3
6	0
7	3.2
8	0
9	1.2
10	1.1
11	0
12	0
13	0
14	2.6
15	0
16	0
17	3.3
18	0.7
19	0
20	3.2
21	0
22	3.2
23	0
24	0
25	0
26	0
27	0
28	0
IC2406	
1	3.2
2	1.8
3	1.8
4	1.2
5	0
6	3.2
Q2401	
E	0.6
C	3.2
B	0
Q2402	
E	0.6
C	0.5
B	1.2
Q2403	
E	3.2
C	0
B	3.2
Q2404	
E	0
C	3.2
B	0
CN2401	-
CN2402	
1	3.2
2	3.2
3	0
4	0
5	0
CN2403	-
CN2404	
1	5.0
2	5.7
3	3.2
4	0

<DC/DC CONV>

MODE PIN NO.	P.ON
IC5701	
1	5.8
2	1.1
3	1.5
4	0
5	0
6	0
7	2.2
8	5.9
9	0
10	0
11	0
12	5.8
13	2.5
14	0
15	1.5
16	1.0
17	0
18	5.9
19	4.8
20	0
IC5710	
1	3.2
2	5.8
3	0
4	2.5
5	2.5
Q5720	
1	2.0
2	2.0
3	3.9
4	5.8
5	0
6	0
CN5701	
1	4.8
2	1.9
3	1.9
4	0
5	0
6	0
CN5702	
1	5.8
2	0
3	0.9
4	2.5
5	0
6	5.8
7	0

<RGB-YC>

MODE PIN NO.	P.ON
IC4401	
1	0
2	2.3
3	2.3
4	0
5	0
6	2.0
7	0
8	4.2
9	0
10	4.5
11	4.0
12	5.0
13	0
14	0
15	0
16	1.6
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
IC4402	
1	0.5
2	0
3	5.0
4	1.8
5	0
6	2.1
IC4403	
1	0
2	4.8
3	5.0
4	0
5	0
6	0.3
7	0
8	0
9	0
10	3.9
11	5.0
12	0
13	5.0
14	2.3
15	0
16	5.0
IC4404	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	1.0
10	1.0
11	0
12	1.0
13	1.0
14	1.0
15	1.0
16	5.0
CN4402	
1	0
2	1.4
3	0
4	0
5	4.6
6	0
7	4.6
8	1.9
9	5.0
10	0
11	0
12	0

<DEMOD>

MODE PIN NO.	P.ON
IC6701	
1	4.2
2	0
3	1.5
4	0
5	0
6	0
7	2.0
8	0
9	0
10	3.5
11	3.5
12	5.0
13	5.0
14	0.3
15	0.3
16	0.3
17	0.3
18	0.3
19	4.9
20	0
21	0.3
22	4.2
23	0
24	0
25	0
26	1.0
27	0
28	0
29	0
30	2.3
31	0
32	0
33	4.5
34	0
35	0
36	0
37	0
38	0
39	0
40	0
41	0
42	0
43	2.3
44	0
CN6701	
1	0
2	5.1
3	5.0
4	0
5	0.9
6	0.9
7	4.9
8	0
9	0
10	2.0

JVC

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Digital Video Storage Category 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

No.YD089SCH

Printed in Japan
VPT

PARTS LIST

[DR-MH300BE, DR-MH300BEK,DR-MH300SE, DR-MH300SEF,DR-MH300SEK, DR-MH300SER, DR-ED400SE]

* SAFETY PRECAUTION
  Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.
* BEWARE OF BOGUS PARTS
  Parts that do not meet specifications may cause trouble in regard to safety and performance. We recommend that genuine JVC parts be used.
* (x_) in a description column shows the number of the used part.

Area Suffix	
E	Continental Europe Northern Europe
EF	France
EK	U.K.
ER	Russian Federation

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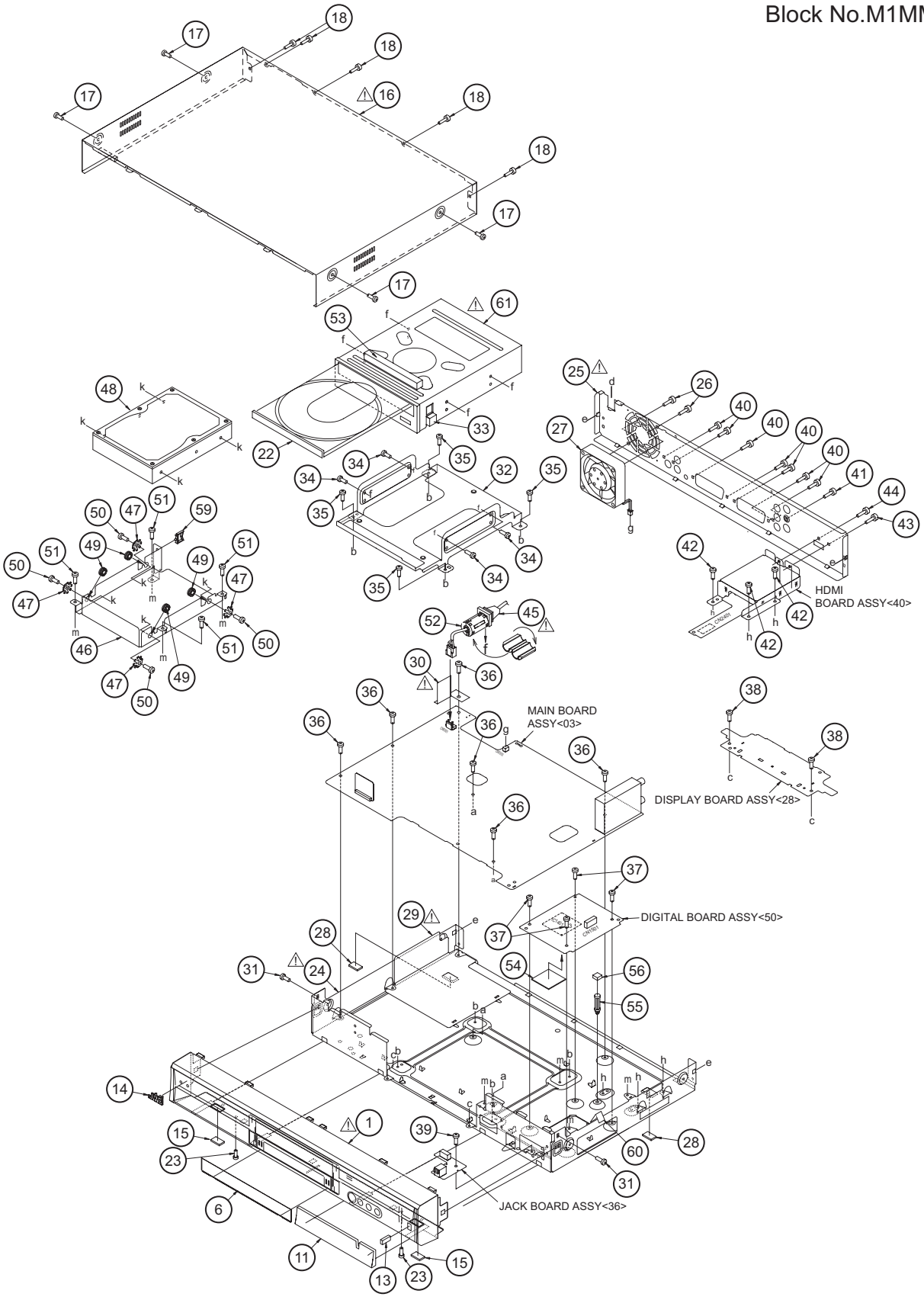
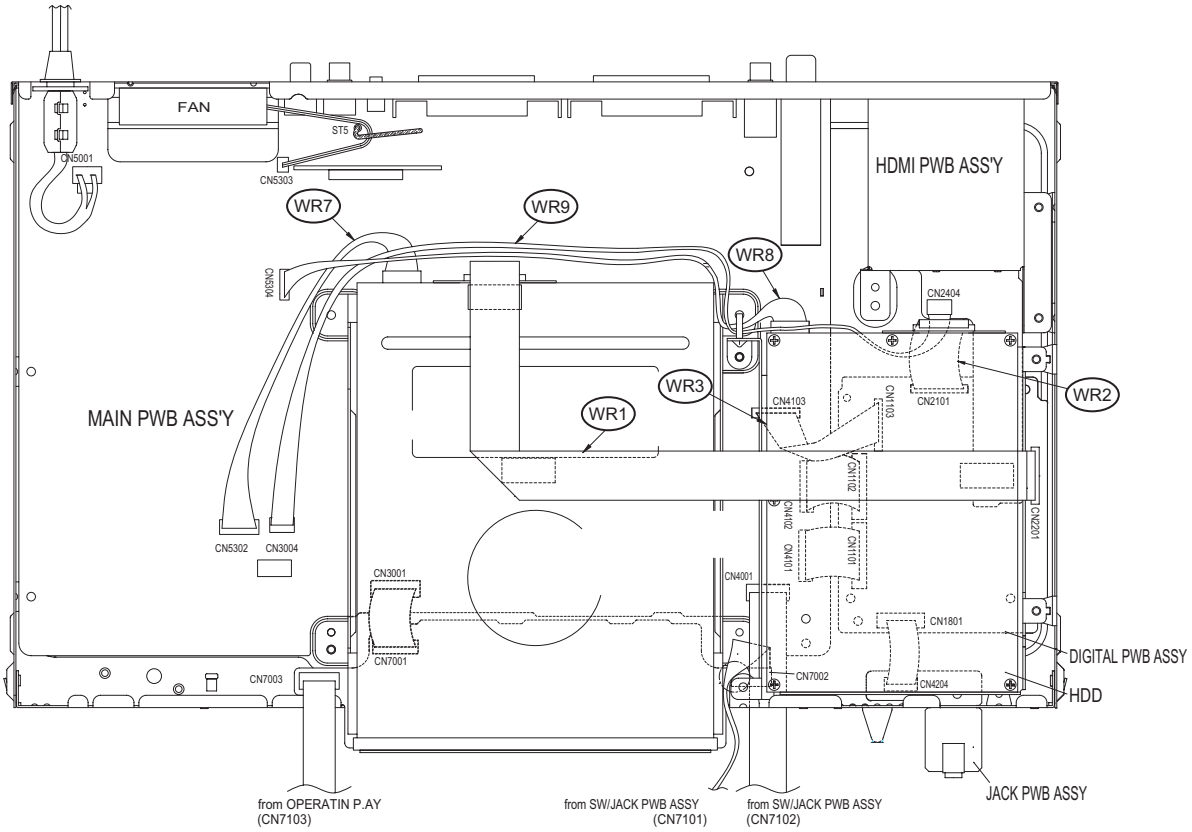
Electrical parts list ---------- 3-6
Packing materials and accessories parts list ---------- 3-19

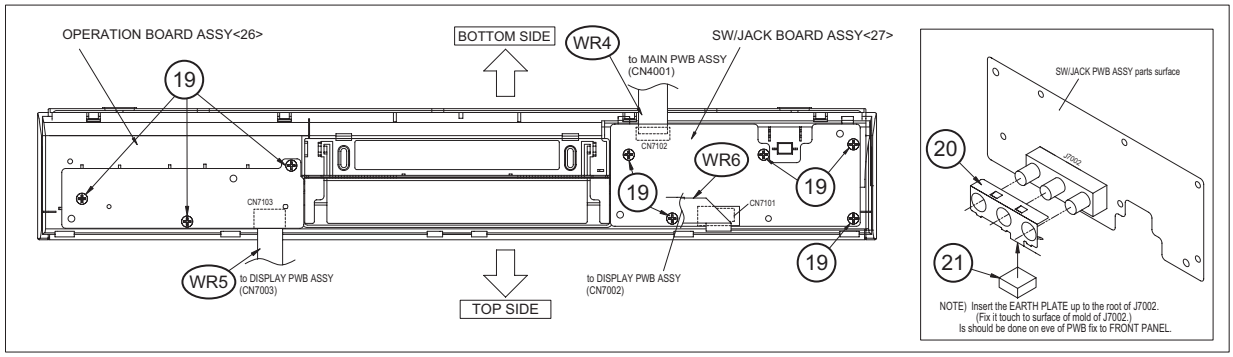
Exploded view of general assembly and parts list

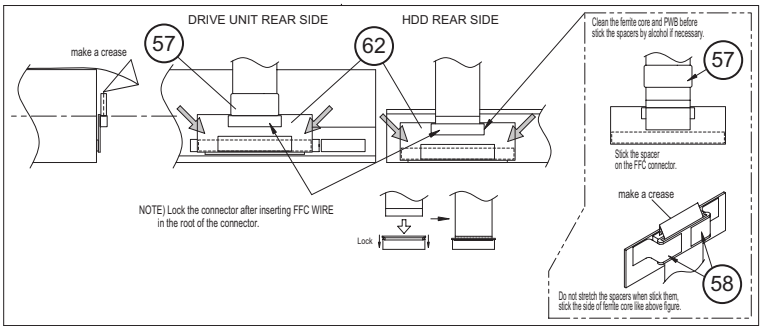
Block No.M1MM

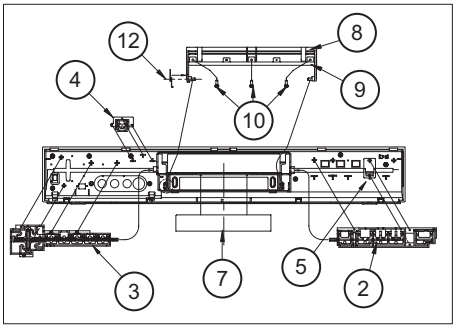




FRONT PANEL SUB ASS'Y




DRIVE UNIT REAR SIDE
HDD REAR SIDE
make a crease
57
62
NOTE) Lock the connector after inserting FFC WIRE
in the root of the connector.
Lock
Clean the ferrite core and PWB before
stick the spacers by alcohol if necessary.
57
Stick the spacer
on the FFC connector.
make a crease
58
Do not stretch the spacers when stick them,
stick the side of ferrite core like above figure.



General assembly

Block No. [M][1][M][M]

⚠ Symbol No.	Part No.	Part Name	Description	Local
⚠ 1	LP10581-012B	FRONT PANEL		300BE,300BEK
⚠ 1	LP10581-011B	FRONT PANEL		300SE,300SEF,300SEK
⚠ 1	LP10581-016A	FRONT PANEL		300SER
⚠ 1	LP10581-017A	FRONT PANEL		400SE
2	LP31543-002B	P.BUTTON ASSY		300BE,300BEK
2	LP31543-001C	P.BUTTON ASSY		300SE,300SEF,300SEK,300SER,400SE
3	LP21357-002B	P.BUTTON(R)		300BE,300BEK
3	LP21357-001C	P.BUTTON(R)		300SE,300SEF,300SEK,300SER,400SE
4	LP21352-002A	P.BUTTON(EJ)		300BE,300BEK
4	LP21352-001A	P.BUTTON(EJ)		300SE,300SEF,300SEK,300SER,400SE
5	LP31477-002A	REMOTE LENS		300BE,300BEK
5	LP31477-001A	REMOTE LENS		300SE,300SEF,300SEK,300SER,400SE
6	LP31474-002A	WINDOW SCREEN		
7	LP31484-001A	FL SCREEN		
8	LP21376-004B	LID		300BE,300BEK
8	LP21376-003B	LID		300SE,300SEF,300SEK,300SER,400SE
9	LP21355-002A	LENS		300BE,300BEK
9	LP21355-001B	LENS		300SE,300SEF,300SEK,300SER,400SE
10	QYSDSF2005ZA	TAP SCREW	FOR LENS(x3)	
11	LP21353-009A	DOOR(R)		300BE
11	LP21353-016A	DOOR(R)		300BEK
11	LP21353-012A	DOOR(R)		300SEK
11	LP21353-013A	DOOR(R)		300SER
11	LP21353-008A	DOOR(R)		300SE,300SEF,400SE
12	LP41219-001B	SPRING		
13	QZW0020-001	LATCH		
14	GN40020-002A	JVC MARK		
15	LP30002-0K1A	SPACER	(x2)	
⚠ 16	LP21361-004A	TOP COVER	(SERVICE)	300BE,300BEK
⚠ 16	LP21361-002A	TOP COVER	(SERVICE)	300SE,300SEF,300SEK,300SER,400SE
17	QYSDSGY3006MA	TAP SCREW	TOP SIDE(x4)	300BE,300BEK
17	QYSDSGY3006RA	TAP SCREW	TOP SIDE(x4)	300SE,300SEF,300SEK,300SER,400SE
18	QYSDSGY3006MA	TAP SCREW	TOP REAR(x5)	300BE,300BEK
18	QYSDSGY3006RA	TAP SCREW	TOP REAR(x5)	300SE,300SEF,300SEK,300SER,400SE
19	QYSBSF2608ZA	TAP SCREW	FRONT PWB(x8)	
20	LP31514-001B	EARTH PLATE	FRONT JACK	
21	LP30002-0K6A	SPACER	FRONT JACK	
22	LP21348-201B	FITTING(DVD)	JR4/JR5	
23	QYSSST3006ZA	TAP SCREW	F.P BOTTOM(x2)	
⚠ 24	LP10578-001A	BOTTOM CHASSIS		
⚠ 25	LP21362-015A	REAR PANEL		300SER
⚠ 25	LP21362-009A	REAR PANEL		300BE,300BEK,300SE,300SEF,300SEK,400SE
26	QYSDSF3008MA	TAP SCREW	FAN(x2)	
27	QAR0349-001	COOLING FAN		
28	LP30002-0K1A	SPACER	FOOT(x2)	
⚠ 29	LP31485-001A	PROTECT SHEET		
⚠ 30	LV44381-001A	BARRIER		
31	QYSDSG3008ZA	TAP SCREW	SIDE(x2)	
32	LP21364-001A	DVD BKT	JR4/JR5	
33	LP30002-0L4A	SPACER	DRIVE	
34	QYSDST3006ZA	TAP SCREW	DRIVE(x4)	
35	QYSBSGG3006ZA	TAP SCREW	DVD BKT(x4)	
36	QYSBSGG3006ZA	TAP SCREW	MAIN PWB(x6)	
37	QYSBSGG3006ZA	TAP SCREW	DIGI PWB(x4)	
38	QYSBSGG3006ZA	TAP SCREW	FL PWB(x2)	
39	QYSBSGG3006ZA	TAP SCREW	DV PWB	
40	QYSBSGY3008MA	TAP SCREW	JACK(x7)	
41	QYSBST3004MA	TAP SCREW	TUNER	
42	QYSBSGG3006ZA	TAP SCREW	HDMI BKT(x3)	
43	QYSBSGY3008MA	TAP SCREW	HDMI BKT	
44	QYSBST3004MA	TAP SCREW	HDMI JACK	
⚠ 45	QMPN330-170-K	POWER CORD	1.7m BLACK	300BEK,300SEK
⚠ 45	QMP4A10-170-K	POWER CORD	1.7m BLACK	300BE,300SE,300SEF,300SER,400SE
46	LP21366-001A	HDD BKT	HDD	
47	LP41279-001A	SPRING	HDD SCREW(x4)	
48	LPH40278-007A	HDD	(SERVICE)	300SER
48	LPH40278-006A	HDD	(SERVICE)	300BE,300BEK,300SE,300SEF,300SEK,400SE
49	LP41257-001A	DAMPER	HDD(x4)	
50	LP41220-001A	SPECIAL SCREW	HDD(x4)	
51	QYSBSGG3006ZA	TAP SCREW	HDD BKT(x4)	
52	QQR0491-001	FERRITE CORE	AC CORD	
53	LP41107-001A	GASKET	DVD TOP	
54	LP40769-001A	SPACER	FOR IC1401	
55	LC42166-001A	PC SUPPORT		
56	LP30002-0K7A	SPACER		
57	QQR1634-001	FERRITE CORE	HDD FFC(x2)	
58	LP30002-0F6A	SPACER	FFC F.CORE(x2)	
59	QZW0192-001	WIRE CLAMP	HDD BKT	
60	LP30002-0F6A	SPACER	R SIDE FFC	

⚠ Symbol No.	Part No.	Part Name	Description	Local
⚠ 61	QAL0704-002	DRIVE UNIT		
62	QGZ0025A1-40	CONNECTOR	(1-40)(x2)	
WR 1	QUQL05-4040AH-E	FFC WIRE	DRIVE-DIGITAL CN2201	
WR 2	QUQL05-4011AH-E	FFC WIRE	HDD-DIGITAL CN2101	
WR 3	QUQ210-1910CJ-E	FFC WIRE	MAIN CN4103-DIGITAL CN1103	
WR 4	QUQ112-1112CJ-E	FFC WIRE	MAIN CN4001-SW/JACK CN7102	
WR 5	QUQ112-1009CG-E	FFC WIRE	DISPLAY CN7003-OPERATION CN7103	
WR 6	QUQ112-1016CG-E	FFC WIRE	DISPLAY CN7002-SW/JACK CN7101	
WR 7	QJJ032-041814-E	SIN CR C-C WIRE	DRIVE-MAIN CN5302	
WR 8	QJJ032-042614-E	SIN CR C-C WIRE	HDD-MAIN CN5304	
WR 9	QJJ015-044024-E	SIN CR C-C WIRE	MAIN CN3004-HDMI CN2404	

Electrical parts list

Main board

Block No. [0][3]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10284-09C1	MAIN BOARD ASSY		300SEF
PW1	LPA10284-10C1	MAIN BOARD ASSY		300BEK,300SEK
PW1	LPA10284-32C1	MAIN BOARD ASSY		300SER
PW1	LPA10284-08C1	MAIN BOARD ASSY		300BE,300SE,400SE
IC3001	MN101D10GDK	IC(MCU)	MASK	
IC3002	IC-PST3425U-X	IC		
IC3004	LPN0994-003B-33	IC(EEPROM)	*(REFER TO BELOW)	300SEF
IC3004	LPN0994-002B-32	IC(EEPROM)	*(REFER TO BELOW)	300BEK,300SEK
IC3004	LPN0994-004B-37	IC(EEPROM)	*(REFER TO BELOW)	300SER
IC3004	LPN0994-001B-31	IC(EEPROM)	*(REFER TO BELOW)	300BE,300SE,400SE
IC4001	BH7623KS2	IC		
IC4201	LC74793-E	IC		
IC4202	MM1504XN-X	IC		
IC4301	LA7357M-E-W	IC		300SEF
IC4304	74HC4538D-X	IC		300SEF
IC5101	STR-G6653-F9	IC		
IC5301	TL431/A/-T	IC		
IC5301 or	MM1431AT-T	IC		
IC5301 or	UTCTL431-T	IC		
IC5302	MM1665AH-X	IC		
IC5303	MM1689BH-X	IC		
IC5308	R1171S501B-X	IC		
IC7301	BH7868FS-X	IC		
IC7302	MM1508XN-X	IC		
IC7303	TC74HC4053AF-XE	IC		
IC7303 or	CD74HC4053NS-X	IC		
IC7304	MM1501XN-X	IC		
IC8001	AK5366VQ-W	IC		
IC8201	AK4385VT-X	IC		
IC8201 or	AK4385ET-X	IC		
IC8202	RC4558D-X	IC		
IC8301	LA7151-E	IC		
IC8302	LA7151-E	IC		
IC8303	RC4558D-X	IC		
IC8501	SN74LV08APW-X	IC		
Q3004	2SD601A/QRS/-X	TRANSISTOR		
Q3004 or	2SC2412K/QRS/-X	TRANSISTOR		
Q3004 or	2SC3928A/QRS/-X	TRANSISTOR		
Q3005	UN2211-X	TRANSISTOR		
Q3005 or	DTC114EKA-X	DIGI TRANSISTOR		
Q3005 or	RT1N141C-X	DIGI TRANSISTOR		
Q3007	UN221E-X	TRANSTSTOR		
Q3007 or	DTC144WKA-X	DIGI TRANSISTOR		
Q3007 or	RT1N44HC-X	DIGI TRANSISTOR		
Q4001	2SB709A/QR/-X	TRANSISTOR		
Q4001 or	2SA1037AK/QR/-X	TRANSISTOR		
Q4001 or	2SA1530A/QR/-X	TRANSISTOR		
Q4101	2SD2144S/UV/-T	TRANSISTOR		
Q4101 or	2SC3576-JVC-T	TRANSISTOR		
Q4201	2SD601A/QRS/-X	TRANSISTOR		
Q4201 or	2SC2412K/QRS/-X	TRANSISTOR		
Q4201 or	2SC3928A/QRS/-X	TRANSISTOR		
Q4302	2SB709A/QR/-X	TRANSISTOR		300SEF
Q4302 or	2SA1037AK/QR/-X	TRANSISTOR		300SEF
Q4302 or	2SA1530A/QR/-X	TRANSISTOR		300SEF
Q4303	2SB709A/QR/-X	TRANSISTOR		300SEF
Q4303 or	2SA1037AK/QR/-X	TRANSISTOR		300SEF
Q4303 or	2SA1530A/QR/-X	TRANSISTOR		300SEF
Q5301	2SC3576-JVC-T	TRANSISTOR		
Q5301 or	2SD2144S/UV/-T	TRANSISTOR		
Q5302	UN2111-X	TRANSISTOR		
Q5302 or	DTA114EKA-X	DIGI TRANSISTOR		
Q5302 or	RT1P141C-X	DIGI TRANSISTOR		
Q5303	UN2211-X	TRANSISTOR		
Q5303 or	DTC114EKA-X	DIGI TRANSISTOR		
Q5303 or	RT1N141C-X	DIGI TRANSISTOR		
Q5304	2SA1585S/QR/-T	TRANSISTOR		
Q5305	UN2211-X	TRANSISTOR		
Q5305 or	DTC114EKA-X	DIGI TRANSISTOR		
Q5305 or	RT1N141C-X	DIGI TRANSISTOR		
Q5306	2SA1585S/QR/-T	TRANSISTOR		
Q5307	2SA1585S/QR/-T	TRANSISTOR		
Q5308	UN2111-X	TRANSISTOR		
Q5308 or	DTA114EKA-X	DIGI TRANSISTOR		
Q5308 or	RT1P141C-X	DIGI TRANSISTOR		
Q5309	UN2211-X	TRANSISTOR		
Q5309 or	DTC114EKA-X	DIGI TRANSISTOR		
Q5309 or	RT1N141C-X	DIGI TRANSISTOR		
Q5310	2SD1858/QR/-T	TRANSISTOR		
Q5311	UN2211-X	TRANSISTOR		
Q5311 or	DTC114EKA-X	DIGI TRANSISTOR		
Q5311 or	RT1N141C-X	DIGI TRANSISTOR		
Q5312	UN2211-X	TRANSISTOR		
Q5312 or	DTC114EKA-X	DIGI TRANSISTOR		
Q5312 or	RT1N141C-X	DIGI TRANSISTOR		
Q5313	2SD601A/QRS/-X	TRANSISTOR		
Q5313 or	2SC2412K/QRS/-X	TRANSISTOR		
Q5313 or	2SC3928A/QRS/-X	TRANSISTOR		
Q5314	UN2111-X	TRANSISTOR		
Q5314 or	DTA114EKA-X	DIGI TRANSISTOR		
Q5314 or	RT1P141C-X	DIGI TRANSISTOR		
Q5315	UN2211-X	TRANSISTOR		
Q5315 or	DTC114EKA-X	DIGI TRANSISTOR		
Q5315 or	RT1N141C-X	DIGI TRANSISTOR		
Q5316	2SC3576-JVC-T	TRANSISTOR		
Q5316 or	2SD2144S/UV/-T	TRANSISTOR		
Q6030	2SB709A/QR/-X	TRANSISTOR		
Q6030 or	2SA1037AK/QR/-X	TRANSISTOR		
Q6030 or	2SA1530A/QR/-X	TRANSISTOR		
Q6031	UN2211-X	TRANSISTOR		
Q6031 or	DTC114EKA-X	DIGI TRANSISTOR		
Q6031 or	RT1N141C-X	DIGI TRANSISTOR		
Q7301	2SD601A/QRS/-X	TRANSISTOR		
Q7301 or	2SC2412K/QRS/-X	TRANSISTOR		
Q7301 or	2SC3928A/QRS/-X	TRANSISTOR		
Q7302	2SD601A/QRS/-X	TRANSISTOR		
Q7302 or	2SC2412K/QRS/-X	TRANSISTOR		
Q7302 or	2SC3928A/QRS/-X	TRANSISTOR		
Q7310	2SB709A/QR/-X	TRANSISTOR		
Q7310 or	2SA1037AK/QR/-X	TRANSISTOR		
Q7310 or	2SA1530A/QR/-X	TRANSISTOR		
Q7311	2SB709A/QR/-X	TRANSISTOR		
Q7311 or	2SA1037AK/QR/-X	TRANSISTOR		
Q7311 or	2SA1530A/QR/-X	TRANSISTOR		
Q7312	UN221E-X	TRANSTSTOR		
Q7312 or	DTC144WKA-X	DIGI TRANSISTOR		
Q7312 or	RT1N44HC-X	DIGI TRANSISTOR		
Q7313	UN2211-X	TRANSISTOR		
Q7313 or	DTC114EKA-X	DIGI TRANSISTOR		
Q7313 or	RT1N141C-X	DIGI TRANSISTOR		
Q7314	UN221E-X	TRANSTSTOR		
Q7314 or	DTC144WKA-X	DIGI TRANSISTOR		
Q7314 or	RT1N44HC-X	DIGI TRANSISTOR		
Q7315	UN2215-X	TRANSISTOR		
Q7315 or	DTC114TKA-X	TRANSISTOR		
Q7315 or	RT1N140C-X	DIGI TRANSISTOR		
Q7316	2SB709A/QR/-X	TRANSISTOR		
Q7316 or	2SA1037AK/QR/-X	TRANSISTOR		
Q7316 or	2SA1530A/QR/-X	TRANSISTOR		
Q7317	2SB709A/QR/-X	TRANSISTOR		
Q7317 or	2SA1037AK/QR/-X	TRANSISTOR		
Q7317 or	2SA1530A/QR/-X	TRANSISTOR		
Q7321	UN221T-X	DIGI TRANSISTOR		
Q7321 or	DTC124XKA-X	DIGI TRANSISTOR		
Q7321 or	RT1N242C-X	DIGI TRANSISTOR		
Q7451	2SC2412K/QRS/-X	TRANSISTOR		300BE,300BEK,300SE,300SEF,300SEK,400SE
Q7451 or	2SD601A/QRS/-X	TRANSISTOR		300BE,300BEK,300SE,300SEF,300SEK,400SE
Q7451 or	2SC3928A/QRS/-X	TRANSISTOR		300BE,300BEK,300SE,300SEF,300SEK,400SE
Q7452	2SA720/QR/-T	TRANSISTOR		300BE,300BEK,300SE,300SEF,300SEK,400SE
Q8201	UN221E-X	TRANSTSTOR		
Q8201 or	DTC144WKA-X	DIGI TRANSISTOR		
Q8201 or	RT1N44HC-X	DIGI TRANSISTOR		
Q8202	UN211E-X	DIGI TRANSISTOR		
Q8202 or	DTA144WKA-X	TRANSISTOR		

After exchanging EEPROMs, a main part does not correspond to some remote control commands at Jig RCU mode. Please cancel the Jig RCU mode of a main part after exchanging EEPROMs. Please refer to the "Canceling JIG mode" about the release method.

⚠ Symbol No.	Part No.	Part Name	Description	Local
Q8202	or RT1P44HC-X	DIGI TRANSISTOR		
Q8203	2SC2412K/QRS/-X	TRANSISTOR		
Q8203	or 2SD601A/QRS/-X	TRANSISTOR		
Q8203	or 2SC3928A/QRS/-X	TRANSISTOR		
Q8205	2SC2412K/QRS/-X	TRANSISTOR		
Q8205	or 2SD601A/QRS/-X	TRANSISTOR		
Q8205	or 2SC3928A/QRS/-X	TRANSISTOR		
Q8301	2SC2412K/QRS/-X	TRANSISTOR		
Q8301	or 2SD601A/QRS/-X	TRANSISTOR		
Q8301	or 2SC3928A/QRS/-X	TRANSISTOR		
Q8302	2SC2412K/QRS/-X	TRANSISTOR		
Q8302	or 2SD601A/QRS/-X	TRANSISTOR		
Q8302	or 2SC3928A/QRS/-X	TRANSISTOR		
D3002	1SS133-T2	SI DIODE		
D3002	or 1SS270A-T2	SI DIODE		
D3003	MTZJ39C-T2	Z DIODE		
D3004	10EDB20-T2	SI DIODE		
D3005	10EDB20-T2	SI DIODE		
D3008	1SS355-X	SI DIODE		
D3008	or MA111-X	SI DIODE		
D4001	DA204U-X	SI DIODE		
D4002	DA204U-X	SI DIODE		
D4301	1SS133-T2	SI DIODE		300SEF
D5001	D3SBA60	DIODE		
D5001	or GBJ4J	BRIDGE DIODE		
D5101	SARS01-T2	SI DIODE		
D5103	1F4G-T2	FR DIODE		
D5103	or 10ERB20-T2	FR DIODE		
D5103	or 1F4G-G-T2	FR DIODE		
D5104	1SS133-T2	SI DIODE		
D5104	or 1SS270A-T2	SI DIODE		
D5105	1F4G-T2	FR DIODE		
D5105	or 10ERB40-T2	FR DIODE		
D5105	or 1F4G-G-T2	FR DIODE		
D5106	1F4G-T2	FR DIODE		
D5106	or 10ERB20-T2	FR DIODE		
D5106	or 1F4G-G-T2	FR DIODE		
D5201	1F4G-T2	FR DIODE		
D5201	or 10ERB20-T2	FR DIODE		
D5201	or 1F4G-G-T2	FR DIODE		
D5202	1F4G-T2	FR DIODE		
D5202	or 10ERB20-T2	FR DIODE		
D5202	or 1F4G-G-T2	FR DIODE		
D5203	RL2Z-LFB2	FR DIODE		
D5203	or UF202G-F26	FR DIODE		
D5204	RL2Z-LFB2	FR DIODE		
D5204	or UF202G-F26	FR DIODE		
D5205	RK34-LFB2	SB IODE		
D5206	RK34-LFB2	SB IODE		
D5207	1F4G-T2	FR DIODE		
D5207	or 10ERB20-T2	FR DIODE		
D5207	or 1F4G-G-T2	FR DIODE		
D5208	RK34-LFB2	SB IODE		
D5209	RK34-LFB2	SB IODE		
D5210	RK34-LFB2	SB IODE		
D5211	1F4G-T2	FR DIODE		
D5211	or 10ERB20-T2	FR DIODE		
D5211	or 1F4G-G-T2	FR DIODE		
D5214	RK34-LFB2	SB IODE		
D5301	MTZJ15C-T2	Z DIODE		
D5302	1SS133-T2	SI DIODE		
D5302	or 1SS270A-T2	SI DIODE		
D5303	MTZJ27C-T2	Z DIODE		
D5309	MTZJ5.6C-T2	Z DIODE		
D5310	1A3G-T2	SI DIODE		
D5310	or 10EDB20-T2	SI DIODE		
D5310	or 1G3-T2	SI DIODE		
D5314	1A3G-T2	SI DIODE		
D5314	or 10EDB20-T2	SI DIODE		
D5314	or 1G3-T2	SI DIODE		
D5315	MTZJ12B-T2	Z DIODE		
D5320	1S4-T2	SB DIODE		
D5320	or SBO40-T2	SB DIODE		
D6002	HZ30-2L-T2	Z DIODE		
D7304	1SS133-T2	SI DIODE		
D7451	DA204U-X	SI DIODE		300BE,300BEK,300SE,300SEF,300SEK,400SE
D7453	DA204U-X	SI DIODE		300BE,300BEK,300SE,300SEF,300SEK,400SE

⚠ Symbol No.	Part No.	Part Name	Description	Local
D8001	MA8030/H/-X	Z DIODE		
D8001	or UDZS3.0B-X	Z DIODE		
⚠ PC5101	PS2581AL1/QW/	PHOTO COUPLER		
C3001	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C3011	QETL0JM-478	E CAPACITOR	4700uF 6.3V M	
C3020	QERF1CM-106Z	E CAPACITOR	10uF 16V M	
C3021	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C3024	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3029	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3030	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C3031	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C3032	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C3033	QAT3725-300Z	TRIM CAPACITOR	30pF TIMER CLOCK	300BE,300SE,300SER,400SE
C3034	NDC31HJ-220X	C CAPACITOR	22pF 50V J	300BEK,300SEF,300SEK
C3035	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C3037	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3039	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3040	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C3041	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3042	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C4001	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4003	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4005	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4007	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4009	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4010	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4011	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4013	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C4014	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4016	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4017	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4019	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4021	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
C4022	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4023	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4024	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4025	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4026	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4028	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4030	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4032	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4033	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C4036	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C4042	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4044	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C4047	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4065	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C4109	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C4110	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C4201	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M	
C4202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4203	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4204	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4205	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C4206	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C4207	NCB31CK-563X	C CAPACITOR	0.056uF 16V K	
C4208	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C4209	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C4210	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M	
C4216	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4217	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4218	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4301	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	300SEF
C4302	QERF1CM-476Z	E CAPACITOR	47uF 16V M	300SEF
C4304	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	300SEF
C4305	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	300SEF
C4306	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	300SEF
C4307	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	300SEF
C4308	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	300SEF
C4309	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	300SEF
C4310	NDC31HJ-471X	C CAPACITOR	470pF 50V J	300SEF
C4318	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	300SEF
C4319	NDC31HJ-471X	C CAPACITOR	470pF 50V J	300SEF

⚠ Symbol No.	Part No.	Part Name	Description	Local
⚠ C5001	QFZ9075-683	MPP CAPACITOR	0.068uF AC275V M	
⚠ C5002	QFZ9075-223	MPP CAPACITOR	0.022uF AC275V M	
C5003	QEZ0374-107	E CAPACITOR	100uF 400V M	
⚠ C5004	QCZ9079-222	C CAPACITOR	2200pF AC250V M	
⚠ C5005	QCZ9079-101	C CAPACITOR	100pF AC250V K	
C5102	QCZ0349-472Z	C CAPACITOR	SNUBBER	
C5103	QEZ0619-276Z	E CAPACITOR	27uF	
C5104	QCZ0136-471Z	C CAPACITOR	470pF 1kV K	
C5105	QFLC1HJ-471Z	M CAPACITOR	470pF 50V J	
C5106	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5107	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C5201	QEZ0562-227Z	E CAPACITOR	220uF 6.3V M	
C5202	QEZ0620-186Z	E CAPACITOR	18uF	
C5203	QEZ0701-128	E CAPACITOR	1200uF	
C5204	QEZ0701-128	E CAPACITOR	1200uF	
C5205	QEMT1AM-398	E CAPACITOR	3900uF 10V M	
C5207	QETN2AM-475Z	E CAPACITOR	4.7uF 100V M	
C5208	QEZ0700-158	E CAPACITOR	1500uF 10V K	
C5209	QEMT1AM-338	E CAPACITOR	3300uF 10V M	
C5210	QEZ0620-186Z	E CAPACITOR	18uF	
C5301	QFVF1HJ-154Z	MF CAPACITOR	0.15uF 50V J	
C5302	QFLC1HJ-333Z	M CAPACITOR	0.033uF 50V J	
C5304	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C5305	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C5307	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C5308	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C5309	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5310	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C5312	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C5313	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C5314	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C5315	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C5320	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C5322	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C5323	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C5324	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C5325	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C5328	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C5329	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C5330	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C5331	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C5333	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C5334	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C5335	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C5336	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C5351	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C5352	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C5353	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C5354	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C5355	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C6012	QETJ1AM-227Z	E CAPACITOR	220uF 10V M	
C6014	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6037	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	300SEF
C6831	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	
C6832	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	
C7202	QETJ0JM-337Z	E CAPACITOR	330uF 6.3V M	300BE,300BEK,300SE,300SEF,300SEK,400SE
C7301	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7302	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7303	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7307	QEKJ0JM-226Z	E CAPACITOR	22uF 6.3V M	
C7308	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7309	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7310	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7311	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7312	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7313	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7314	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7315	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C7316	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7317	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7318	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7319	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7330	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7331	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7332	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7333	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7336	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C7340	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C7341	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C7345	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7346	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C7347	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C7350	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7351	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7352	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7353	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7357	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7359	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C7365	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C7366	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C7367	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C7368	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C7371	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7388	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7390	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7451	NDC31HJ-101X	C CAPACITOR	100pF 50V J	300BE,300BEK,300SE,300SEF,300SEK,400SE
C7452	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	300BE,300BEK,300SE,300SEF,300SEK,400SE
C7453	NDC31HJ-101X	C CAPACITOR	100pF 50V J	300BE,300BEK,300SE,300SEF,300SEK,400SE
C7454	NDC31HJ-101X	C CAPACITOR	100pF 50V J	300BE,300BEK,300SE,300SEF,300SEK,400SE
C7455	NDC31HJ-101X	C CAPACITOR	100pF 50V J	300BE,300BEK,300SE,300SEF,300SEK,400SE
C7456	NDC31HJ-101X	C CAPACITOR	100pF 50V J	300BE,300BEK,300SE,300SEF,300SEK,400SE
C8005	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8007	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8008	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8009	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8010	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8011	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8012	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8014	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8021	QERF1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8022	QERF1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8023	QERF0JM-107Z	E CAPACITOR	100uF 6.3V M	
C8024	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8025	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8026	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8027	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C8028	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8029	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8201	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8202	QETJ0JM-477Z	E CAPACITOR	470uF 6.3V M	
C8203	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C8204	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C8205	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C8206	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C8207	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C8208	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C8209	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8210	QETJ1CM-107Z	E CAPACITOR	100uF 16V M	
C8211	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8212	QETJ1CM-107Z	E CAPACITOR	100uF 16V M	
C8215	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C8217	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C8301	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C8302	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8303	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8304	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8305	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8306	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8307	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8308	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8311	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C8312	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8313	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8314	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8315	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8316	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8317	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8318	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8321	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C8322	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C8323	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C8324	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8501	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C8502	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8503	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8504	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C8505	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C8506	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R3003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3004	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3005	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3006	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3009	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3010	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3013	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3014	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3015	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3016	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3017	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3018	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3020	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3021	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3022	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3025	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3026	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3027	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3028	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3031	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3032	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3035	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3042	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3045	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3049	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3050	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3053	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3060	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3065	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3067	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3076	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3083	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3084	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R3087	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3088	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3089	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3090	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3091	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3092	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3093	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3094	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3201	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3202	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3204	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3205	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3206	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3207	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R3209	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3213	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R3214	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R3218	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3219	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3220	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3221	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3222	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3223	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3224	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3225	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R3226	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3227	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3229	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3231	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3232	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3233	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3235	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3242	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R4001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4009	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4010	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4013	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4017	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4021	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4104	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4105	NRSA02J-105X	MG RESISTOR	1MΩ 1/10W J	
R4203	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4206	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4209	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4210	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R4211	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R4215	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4216	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4217	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R4304	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	300SEF
R4305	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	300SEF
R4306	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	300SEF
R4307	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	300SEF
R4308	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	300SEF
R4309	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	300SEF
R4310	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	300SEF
R4311	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	300SEF
R4313	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	300SEF
R4314	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,300SEK,300SER,400SE
R4317	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	300SEF
R4318	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	300SEF
R4319	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	300SEF
R5101	QRG02GJ-683	OMF RESISTOR	68kΩ 2W J	
R5102	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R5103	QRE141J-684Y	C RESISTOR	680kΩ 1/4W J	
R5104	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5105	QRE141J-820Y	C RESISTOR	82Ω 1/4W J	
R5106	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R5107	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R5108	QRT01DJ-R33X	MF RESISTOR	0.33Ω 1W J	
⚠ R5109	QRZ9005-470X	FUSI RESISTOR	47Ω 1/4W G	
R5301	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R5302	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R5303	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R5304	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D	
R5305	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
R5306	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D	
⚠ R5307	QRZ9005-221X	FUSI RESISTOR	220Ω 1/4W G	
R5308	QRE141J-271Y	C RESISTOR	270Ω 1/4W J	
R5309	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R5310	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5311	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R5312	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5313	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R5318	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R5319	QRE141J-150Y	C RESISTOR	15Ω 1/4W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R5320	QRE123J-101X	C RESISTOR	100Ω 1/2W J	
R5321	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5322	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5323	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R5324	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5332	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
R5333	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R5334	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R5335	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R5336	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R5337	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5341	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6020	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6021	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6030	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6031	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6032	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	300SEF
R6033	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	300SEF
R6080	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7204	QRE121J-151Y	C RESISTOR	150Ω 1/2W J	300BE,300BEK,300SE,300SEF,300SEK,400SE
R7301	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7302	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7303	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R7304	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7305	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R7309	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7311	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
R7312	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7314	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7317	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7318	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R7319	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R7320	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R7321	QRE141J-271Y	C RESISTOR	270Ω 1/4W J	
R7322	QRE141J-271Y	C RESISTOR	270Ω 1/4W J	
R7335	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7336	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7337	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7338	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7339	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R7340	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R7341	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7342	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7343	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R7344	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R7345	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R7346	NRSA63D-680X	MG RESISTOR	68Ω 1/16W D	
R7347	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R7348	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7349	QRE121J-331Y	C RESISTOR	330Ω 1/2W J	
R7350	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7351	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7352	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R7353	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7354	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7355	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7356	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7357	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R7358	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R7359	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R7360	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R7361	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R7362	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7365	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7366	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7367	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7368	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7378	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7451	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,400SE
R7452	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,400SE
R7453	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,400SE
R7454	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,400SE
R7455	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,400SE
R7456	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,400SE
R7457	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,400SE
R7458	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,400SE
R7459	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,400SE
R8001	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
R8002	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
R8007	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8008	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8013	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8014	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8015	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8016	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8017	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
R8019	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R8020	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R8021	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R8022	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R8023	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R8024	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R8026	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
R8031	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
R8032	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
R8033	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8034	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8035	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8036	NRSA63J-4R7X	MG RESISTOR	4.7Ω 1/16W J	
R8037	NRSA63J-4R7X	MG RESISTOR	4.7Ω 1/16W J	
R8038	QRE141J-151Y	C RESISTOR	150Ω 1/4W J	
R8040	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R8042	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R8044	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R8045	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8202	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8204	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8205	NRSA63J-4R7X	MG RESISTOR	4.7Ω 1/16W J	
R8206	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8211	NRSA63D-432X	MG RESISTOR	4.3kΩ 1/16W D	
R8212	NRSA63D-432X	MG RESISTOR	4.3kΩ 1/16W D	
R8213	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R8214	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R8215	NRSA63D-121X	MG RESISTOR	120Ω 1/16W D	
R8216	NRSA63D-121X	MG RESISTOR	120Ω 1/16W D	
R8217	NRSA63D-432X	MG RESISTOR	4.3kΩ 1/16W D	
R8218	NRSA63D-432X	MG RESISTOR	4.3kΩ 1/16W D	
R8219	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R8220	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R8221	NRSA63D-121X	MG RESISTOR	120Ω 1/16W D	
R8222	NRSA63D-121X	MG RESISTOR	120Ω 1/16W D	
R8223	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R8224	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R8233	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8234	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8241	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R8242	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R8244	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R8249	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R8250	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R8252	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R8301	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R8302	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R8303	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R8304	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R8305	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R8306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R8307	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R8308	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R8310	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R8313	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R8315	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R8316	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R8321	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R8322	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R8323	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R8324	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R8325	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8326	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R8501	NRSA63J-4R7X	MG RESISTOR	4.7Ω 1/16W J	
R8502	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R8503	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R8504	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R8505	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R8506	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R8507	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
L3001	QQL231J-R22Y	COIL	0.22uH J	
L4001	QQL29BJ-100Z	P COIL	10uH J	
L4002	QQL29BJ-100Z	P COIL	10uH J	
L4005	QQL29BJ-100Z	P COIL	10uH J	
L4201	QQL29BJ-100Z	P COIL	10uH J	
L4301	QQL29BJ-100Z	P COIL	10uH J	300SEF
L5202	QQL26AK-330Z	COIL	33uH K	
L5203	QQL26AK-330Z	COIL	33uH K	
L5205	QQL26AK-330Z	COIL	33uH K	
L5206	QQL26AK-330Z	COIL	33uH K	
L6002	QQL29BK-1R0Z	P COIL	1uH K	
L6003	QQL29BK-1R0Z	P COIL	1uH K	
L6005	QQL231J-5R6Y	COIL	5.6uH J	
L6701	QQL29BJ-220Z	P COIL	22uH J	
L7201	QQL29BJ-101Z	P COIL	100uH J	300BE,300BEK,300SE,300SEF,300SEK,400SE
L7302	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
L7303	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
L7305	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
L7306	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
L7311	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
L7312	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
L8501	QQL071J-1R0Y	COIL	1uH J	
⚠ T5001	QQS0334-001	SW TRANSF		
B5504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,300SER
B5507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,300SER
B7308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,300SER
B7310	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,300SER
B7312	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,300SER
B7315	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,300SER
B7319	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,300SER
B7338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,300SER
B7340	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,300SER
B7451	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK
B8003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,300SER
CN3001	QGB1231M1-13	CONNECTOR	SW/DISPLAY	
CN3004	QGA2001C1-04	CONNECTOR	HDMI	
CN3901	QGF1207C1-08	CONNECTOR	FOR FLASH	
CN4001	QGF1207C1-11	CONNECTOR	FRONT IN	
CN4101	QGB1231M1-15	CONNECTOR	DIGITAL	
CN4102	QGB1231M1-15	CONNECTOR	DIGITAL	
CN4103	QGF1040C1-19	CONNECTOR	PIN1-19	
⚠ CN5001	QGA7901C3-02	CONNECTOR	AC_IN	
CN5301	QGA2501C1-04	CONNECTOR	DVD LG	
CN5303	QGA2001C1-02	CONNECTOR	FAN	
CN5304	QGA2501C1-04	CONNECTOR	HDD	
CN5305	----------	D/D CONV P ASSY	SEE D/D CONVERTER BOARD	
CN6701	----------	DEMOD BOARD ASSY	SEE DEMODULATOR BOARD	
CN7451	QGA2001C1-04	CONNECTOR	W-B (1-4)	
⚠ CP5302	QMFZ054-2R0X-J1	FUSE	2A	
⚠ F5001	QMF5AE2-1R6-J1	FUSE	1.6A AC250V	
FC5001	QNG0020-001Z	FUSE CLIP		
FC5002	QNG0020-001Z	FUSE CLIP		
GN1	QNZ0136-001Z	EARTH PLATE		
GN2	QNZ0136-001Z	EARTH PLATE		
GN3	QNZ0136-001Z	EARTH PLATE		
GN4	QNZ0136-001Z	EARTH PLATE		

⚠ Symbol No.	Part No.	Part Name	Description	Local
GN5	QNZ0136-001Z	EARTH PLATE		
HS1	QZW0155-001	HEAT SINK	FOR IC5101	
J7301	QNZ0516-001	RGB CONNECTOR	AV1	
J7302	QNZ0516-001	RGB CONNECTOR	AV2	
J7304	QNN0701-001	PIN JACK	AUDIO OUT	
J7309	QNN0700-001	PIN JACK	COMPONENT	
J7451	QNS0259-001	3.5 JACK	GLINK/SAT	300BE,300BEK,300SE,300SEF,300SEK,400SE
J8501	QNN0347-001	SURROUND JACK	COAX	
K8501	NQR0227-004X	FERRITE BEADS		
⚠ LF5001	QQR1031-001	LINE FILTER		
ST5	QZW0007-001	POST PIN		
TU6001	QAU0402-002	TUNER	EF TUNER	300SEF
TU6001	QAU0401-001	TUNER	RF CONV LE	300BE,300BEK,300SE,300SEK,300SER,400SE
W1	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W2	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W3	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W4	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W5	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W6	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W8	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W9	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W10	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300SEF
W14	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300SEF
W15	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300SEF
W16	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W17	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W18	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W19	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W20	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W22	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W23	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W24	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W25	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W26	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W27	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W28	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W29	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W30	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W31	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W32	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W33	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W34	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W35	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W36	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W37	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300SEF
W38	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W39	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W40	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W41	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W42	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W43	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W44	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W45	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W46	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W47	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W49	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W50	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W51	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W52	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W53	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W54	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
X3001	QAX0728-001	CRYSTAL	14.318180MHz	
X3002	QAX0444-001	CRYSTAL	32.768kHz	300BEK,300SEF,300SEK
X3002	QAX0445-001	CRYSTAL	32.768kHz	300BE,300SE,300SER,400SE
X4201	QAX0849-001	CRYSTAL	4.433619MHz	
OT1	QYTDST3008ZA	TAP SCREW	M3 x 8mm IC5101	

Demodulator board

Block No. [1][4]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10292-02A	DEMODULATOR BOARD ASSY		300SEF
PW1	LPA10292-01A	DEMODULATOR BOARD ASSY		300BE,300BEK,300SE,300SEK,300SER,400SE
IC6701	MSP3417GQGB8V3X	IC		
D6701	1SS133-T2	SI DIODE		
D6701 or	1SS270A-T2	SI DIODE		
C6704	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	300SEF
C6704	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	300BE,300BEK,300SE,300SEK,300SER,400SE
C6707	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C6708	NDC31HJ-8R0X	C CAPACITOR	8pF 50V J	
C6709	NDC31HJ-8R0X	C CAPACITOR	8pF 50V J	
C6713	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C6714	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6716	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6719	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M	
C6720	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M	
C6721	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6723	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6724	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	300SEF
R6707	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R6708	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6709	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6710	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6711	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6712	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6713	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R6714	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6715	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R6716	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6719	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R6720	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R6721	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
B6701	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,300SER
B6702	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,300SER
B6703	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,300SER
CN6701	QGG2502K1-10	CONNECTOR	(1-10)	
K6701	NQR0129-003X	FERRITE BEADS		
K6702	NQR0129-003X	FERRITE BEADS		
K6705	NQR0129-003X	FERRITE BEADS		
K6706	NQR0129-003X	FERRITE BEADS		
K6707	NQR0129-003X	FERRITE BEADS		300SEF
K6708	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W6701	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
X6701	QAX0773-001Z	CRYSTAL	18.432000MHz	
OT1	LP40425-001A	BRACKET(PWB)		

Operation board

Block No. [2][6]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10281-04A3	OPERATION BOARD ASSY		
IC7101	GP1UM281XKVF	IR DETECT UNIT		
IC7101 or	PNA4652M00XB	IR DETECT UNIT 38kHz		
Q7101	2SC1740S/QRS/-T	TRANSISTOR		
Q7101 or	KTC3199/YG/-T	TRANSISTOR		
D7101	1SS133-T2	SI DIODE		
D7101 or	1SS270A-T2	SI DIODE		
D7102	1SS133-T2	SI DIODE		
D7102 or	1SS270A-T2	SI DIODE		
D7103	SDPB3DC0/Z1/	LED	HDD LED	
D7104	SDPC3DC0	LED	DVD LED	
D7105	1SS133-T2	SI DIODE		
D7105 or	1SS270A-T2	SI DIODE		
D7106	SDPB3DC0/Z1/	LED	BLUE LIGHT	
C7101	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
R7102	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R7103	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
R7104	QRE141J-392Y	C RESISTOR	3.9kΩ 1/4W J	
R7105	QRE141J-182Y	C RESISTOR	1.8kΩ 1/4W J	
R7106	QRE141J-270Y	C RESISTOR	27Ω 1/4W J	
CN7103	QGF1208F1-10	CONNECTOR	FFC/FPC (1-10)	
S7101	QSW0381-001Z	TACT SWITCH	OPERATION	
S7102	QSW0381-001Z	TACT SWITCH	HDD	
S7103	QSW0381-001Z	TACT SWITCH	REC	
S7104	QSW0381-001Z	TACT SWITCH	DVD	
OT1	LP31478-001A	LED HOLDER	FOR D7106	
OT2	LP41267-001A	SHRINK TUBE	FOR LED	

Switch/Jack board

Block No. [2][7]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10281-04A2	SWITCH/JACK BOARD ASSY		
D7113	1SS133-T2	SI DIODE		
D7113 or	1SS270A-T2	SI DIODE		
D7114	1SS133-T2	SI DIODE		
D7114 or	1SS270A-T2	SI DIODE		
D7115	1SS133-T2	SI DIODE		
D7115 or	1SS270A-T2	SI DIODE		
D7116	1SS133-T2	SI DIODE		
D7116 or	1SS270A-T2	SI DIODE		
D7117	1SS133-T2	SI DIODE		
D7117 or	1SS270A-T2	SI DIODE		
C7152	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C7154	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
R7151	QRE141J-750Y	C RESISTOR	75Ω 1/4W J	
R7152	QRE141J-750Y	C RESISTOR	75Ω 1/4W J	
R7153	QRE141J-750Y	C RESISTOR	75Ω 1/4W J	
R7154	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R7155	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
CN7101	QGF1207C1-10	CONNECTOR	FFC/FPC (1-10)	
CN7102	QGF1207C1-11	CONNECTOR	FFC/FPC (1-11)	
J7001	QND0084-001	S JACK		
J7002	QNN0364-002	PIN JACK		
S7111	QSW0381-001Z	TACT SWITCH	NAVI	
S7112	QSW0381-001Z	TACT SWITCH	CH+/UP	
S7113	QSW0381-001Z	TACT SWITCH	CH-/DOWN	
S7114	QSW0381-001Z	TACT SWITCH	RIGHT/PLAY	
S7115	QSW0381-001Z	TACT SWITCH	LEFT/STOP	
S7131	QSW0381-001Z	TACT SWITCH	TV GUIDE	
S7132	QSW0381-001Z	TACT SWITCH	OPEN/CLOSE	
S7133	QSW0381-001Z	TACT SWITCH	STOP	
S7134	QSW0381-001Z	TACT SWITCH	PLAY	
S7135	QSW0381-001Z	TACT SWITCH	OK/REC	

Display board

Block No. [2][8]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10281-04A1	DISPLAY BOARD ASSY		
IC7001	PT6315	IC		
D7021	MTZJ9.1B-T2	Z DIODE		
C7001	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C7002	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C7003	QEKJ1HM-106Z	E CAPACITOR	10uF 50V M	
C7007	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C7008	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M	
C7010	QCFB1HZ-473Y	C CAPACITOR	0.047uF 50V Z	
C7011	QCFB1HZ-473Y	C CAPACITOR	0.047uF 50V Z	
R7001	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7002	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7003	QRE141J-823Y	C RESISTOR	82kΩ 1/4W J	
R7005	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R7006	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R7007	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R7009	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7010	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7013	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R7014	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R7015	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
CN7001	QGB1231L1-13	CONNECTOR	B-B (1-13)	
CN7002	QGF1208F1-10	CONNECTOR	FFC/FPC (1-10)	
CN7003	QGF1207C1-10	CONNECTOR	FFC/FPC (1-10)	
DI7001	QLF0159-001	FL TUBE		
HD1	LP21359-001A	FL HOLDER(L)		
HD2	LP21360-001A	FL HOLDER(U)		

Jack board

Block No. [3][6]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10281-04A4	JACK BOARD ASSY		
CN4204	QGB1231M1-09	CONNECTOR	DIGITAL	
GN4201	QNZ0136-001Z	EARTH PLATE	FOR ESD	
J4212	QNZ0675-001	D CONNECTOR	FRONT DV TERMINAL	
K4207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
KA4201	NQR0577-001X	NOISE FILTER		
KA4202	NQR0577-001X	NOISE FILTER		

HDMI board

Block No. [4][0]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10301-01C	HDMI BOARD ASSY		
IC2401	SII9030CTU	IC(DIGITAL)		
IC2402	MM1563DF-X	IC		
IC2403	LD2981ABM50-X	IC		
IC2404	UM6K1N-W	MOS FET		
IC2405	PIC18LF2515A4-X	IC(MCU)		
IC2406	BH18MA3WHFV-W	IC		
Q2401	2SC4081/QRS/-X	TRANSISTOR		
Q2401 or	2SD1819A/QRS/-X	TRANSISTOR		
Q2402	2SC4081/QRS/-X	TRANSISTOR		
Q2402 or	2SD1819A/QRS/-X	TRANSISTOR		
Q2403	2SA1037AK/QR/-X	TRANSISTOR		
Q2403 or	2SA1530A/QR/-X	TRANSISTOR		
Q2403 or	2SB709A/QR/-X	TRANSISTOR		
Q2404	UN221E-X	TRANSTSTOR		
Q2404 or	DTC144WKA-X	DIGI TRANSISTOR		
Q2404 or	RT1N44HC-X	DIGI TRANSISTOR		
C2401	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2402	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2403	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C2404	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2405	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C2406	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C2407	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C2408	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C2409	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2410	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2411	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C2412	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2413	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2414	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2415	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C2416	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2417	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2418	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2419	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2420	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C2421	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C2422	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C2425	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2426	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2427	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2428	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2429	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2430	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2431	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2432	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2433	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
R2401	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2402	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2403	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2404	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2405	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2406	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2407	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2408	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2409	NRSA63F-4750X	MG RESISTOR	475Ω 1/16W F	
R2410	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2411	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2412	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2413	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2414	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2415	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2416	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R2417	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2418	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2419	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2420	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2421	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2423	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2424	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2425	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2426	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2427	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2428	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2429	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2430	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2431	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R2432	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2433	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2434	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2435	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2436	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2437	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2438	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2440	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R2443	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2444	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2445	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R2447	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2448	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2449	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2450	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2451	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2452	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2453	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2454	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2455	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2457	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2458	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2459	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2460	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2462	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2463	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2464	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L2401	NQL144K-100X	P COIL	10uH K	
CN2401	QGB0605L1-40W	CONNECTOR	B-B (1-40)	
CN2402	QGF1016C6-05W	CONNECTOR	FFC/FPC (1-5)	
CN2403	NNZ0099-001	HDMI CONNECTOR		
CN2404	QGA2001F6-04X	CONNECTOR	W-B (1-4)	
K2401	NQR0129-002X	FERRITE BEADS		
K2402	NQR0129-002X	FERRITE BEADS		
K2403	NQR0129-002X	FERRITE BEADS		
K2404	NQR0129-002X	FERRITE BEADS		
K2405	NQR0129-002X	FERRITE BEADS		
K2406	NQR0129-002X	FERRITE BEADS		
K2407	NQR0129-002X	FERRITE BEADS		
K2408	NQR0129-002X	FERRITE BEADS		
LF2401	NQR0560-001X	EMI FILTER		
LF2402	NQR0560-001X	EMI FILTER		
LF2403	NQR0560-001X	EMI FILTER		
LF2404	NQR0560-001X	EMI FILTER		
SD1	LP21420-001B	SHIELD CASE		
X2401	NAX0803-001X	CRYSTAL		

Digital board

Block No. [5][0]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10300-03C	DIGITAL BOARD ASSY		
IC1001	JCP8059-2	IC		
IC1002	HY57V161610ETP7	IC		
IC1002 or	K4S161622H-UC60	IC		
IC1201	LPN0967-001A	IC(FLASH)	(SERVICE)	
IC1202	SN74LVC373APW-X	IC(DIGITAL)		
IC1203	SN74LVC373APW-X	IC(DIGITAL)		
IC1401	DMN8652-B0L	IC(DIGITAL)		
IC1404	SN74HCT08APW-X	IC		
IC1601	HY5DU561622DT-J	IC		
IC1602	HY5DU561622DT-J	IC		
IC1603	HY5DU561622DT-J	IC		
IC1604	HY5DU561622DT-J	IC		
IC1701	BD3533F-X	IC		
IC1801	TSB41AB1PAP	IC		
IC1901	TVP5150AM1PBS-W	IC		
Q1001	2SA1530A/QR/-X	TRANSISTOR		
Q1001 or	2SA1037AK/QR/-X	TRANSISTOR		
Q1001 or	2SB709A/QR/-X	TRANSISTOR		
Q1002	2SA1530A/QR/-X	TRANSISTOR		
Q1002 or	2SA1037AK/QR/-X	TRANSISTOR		
Q1002 or	2SB709A/QR/-X	TRANSISTOR		
Q1003	2SA1530A/QR/-X	TRANSISTOR		
Q1003 or	2SA1037AK/QR/-X	TRANSISTOR		
Q1003 or	2SB709A/QR/-X	TRANSISTOR		
Q1006	2SA1530A/QR/-X	TRANSISTOR		
Q1006 or	2SA1037AK/QR/-X	TRANSISTOR		
Q1006 or	2SB709A/QR/-X	TRANSISTOR		
Q1008	BC847PN-X	PAIR TRANSISTOR		
Q1008 or	UMZ1N-W	PAIR TRANSISTOR		
Q1008 or	BC846PN-X	PAIR TRANSISTOR		
Q1009	2SC3928A/QRS/-X	TRANSISTOR		
Q1009 or	2SC2412K/QRS/-X	TRANSISTOR		
Q1009 or	2SD601A/QRS/-X	TRANSISTOR		
Q1010	2SC3928A/QRS/-X	TRANSISTOR		
Q1010 or	2SC2412K/QRS/-X	TRANSISTOR		
Q1010 or	2SD601A/QRS/-X	TRANSISTOR		
Q1011	2SC3928A/QRS/-X	TRANSISTOR		
Q1011 or	2SC2412K/QRS/-X	TRANSISTOR		
Q1011 or	2SD601A/QRS/-X	TRANSISTOR		
Q1301	2SA1037AK/QR/-X	TRANSISTOR		
Q1301 or	2SA1530A/QR/-X	TRANSISTOR		
Q1301 or	2SB709A/QR/-X	TRANSISTOR		
Q1304	2SC2412K/QRS/-X	TRANSISTOR		
Q1304 or	2SC3928A/QRS/-X	TRANSISTOR		
Q1304 or	2SD601A/QRS/-X	TRANSISTOR		
D1001	1SS355-X	SI DIODE		
D1001 or	MA111-X	SI DIODE		
D1401	1SS355-X	SI DIODE		
D1401 or	MA111-X	SI DIODE		
D1402	1SS355-X	SI DIODE		
D1402 or	MA111-X	SI DIODE		
D1403	1SS355-X	SI DIODE		
D1403 or	MA111-X	SI DIODE		
D2101	SML-010LT-X	LED		
D2101 or	SML-010MT-X	LED		
D2201	SML-010LT-X	LED		
D2201 or	SML-010MT-X	LED		
C1001	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C1002	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1003	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1005	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1007	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1009	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1010	NDC31HJ-4R0X	C CAPACITOR	4pF 50V J	
C1012	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1014	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1015	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1018	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1019	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C1026	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1032	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1033	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1034	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1035	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1036	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1041	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1042	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1043	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1044	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1045	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1046	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1047	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1048	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1049	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1050	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1051	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1052	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1055	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C1065	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C1077	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1088	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1090	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1093	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1094	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1095	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1097	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1098	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1203	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1204	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C1206	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1207	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C1301	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C1302	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1307	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1310	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C1315	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C1316	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C1323	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C1401	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1403	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1404	NEHM0JM-107X	E CAPACITOR	100uF 6.3V M	
C1408	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1411	NEHM0JM-107X	E CAPACITOR	100uF 6.3V M	
C1412	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1413	NEHM0JM-107X	E CAPACITOR	100uF 6.3V M	
C1414	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1415	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1417	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1420	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1421	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1422	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1424	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1427	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1428	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1429	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1430	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1435	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1436	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1438	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1439	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1444	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1445	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1446	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1447	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1448	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C1452	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1453	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1454	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1455	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1457	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1459	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1460	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C1461	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C1462	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1464	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1466	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1467	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1470	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1471	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1472	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1473	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1474	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1601	NEX60GM-337X	E CAPACITOR	330uF 4V M	
C1606	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1607	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1608	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1609	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1610	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1611	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1612	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1614	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1615	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1616	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1618	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1619	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1620	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1622	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1623	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1624	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1625	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1626	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1627	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1628	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1630	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1631	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1632	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1633	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1634	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1635	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1636	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1641	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1642	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1643	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1644	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1645	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1646	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1647	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1648	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1649	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1701	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1702	NEHM0JM-476X	E CAPACITOR	47uF 6.3V M	
C1704	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1706	NBE20JM-476X	TA E CAPACITOR	47uF 6.3V M	
C1707	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C1708	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1709	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1710	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1801	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1802	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C1803	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1804	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1805	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1806	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1807	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1808	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C1809	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C1810	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1811	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1812	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1813	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1814	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1815	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1816	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1901	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C1902	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1903	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1905	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1906	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C1907	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C1908	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C1909	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1910	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1911	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
R1001	NRSA63D-301X	MG RESISTOR	300Ω 1/16W D	
R1003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1007	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1009	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1016	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1021	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	
R1022	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D	
R1024	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D	
R1027	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1028	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D	
R1030	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1031	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1032	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1033	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1036	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1037	NRSA63D-151X	MG RESISTOR	150Ω 1/16W D	
R1039	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1040	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D	
R1042	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1043	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D	
R1046	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1050	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1051	NRSA63D-181X	MG RESISTOR	180Ω 1/16W D	
R1054	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	
R1056	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1057	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1059	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1060	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1061	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1064	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R1066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1067	NRSA63J-620X	MG RESISTOR	62Ω 1/16W J	
R1068	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R1069	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R1070	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D	
R1071	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D	
R1222	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1225	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1226	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1229	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1230	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1231	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1303	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1308	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1401	NRSA63F-1181X	MG RESISTOR	1.18kΩ 1/16W F	
R1402	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1404	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1407	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R1408	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1409	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1410	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1412	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1413	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1414	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1415	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1417	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1419	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1420	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R1427	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1428	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1429	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1430	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1431	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1434	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1435	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1436	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1437	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1438	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1439	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1440	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1441	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1443	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1445	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1446	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1448	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1450	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R1451	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R1452	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R1453	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1455	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1456	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1457	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1458	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1459	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1460	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1461	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1462	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1463	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1464	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1465	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1467	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1469	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1470	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1472	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1473	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1474	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1475	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1476	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1478	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1479	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1480	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1481	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R1483	NRSA63J-621X	MG RESISTOR	620Ω 1/16W J	
R1491	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1601	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1602	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1613	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1614	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1615	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1616	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1617	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1618	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1619	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1620	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1621	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1622	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1623	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1624	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1625	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1626	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1627	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1628	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1629	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1630	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1631	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1632	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1653	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1654	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1655	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1656	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1657	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1658	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1659	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1660	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1801	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1802	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1803	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1804	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1807	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1809	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1810	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R1813	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1814	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1815	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1816	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1817	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R1818	NRSA63D-562X	MG RESISTOR	5.6kΩ 1/16W D	
R1819	NRSA63D-751X	MG RESISTOR	750Ω 1/16W D	
R1820	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1821	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1901	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1902	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1903	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1904	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1907	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1912	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1913	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R2101	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2102	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2103	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2104	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2105	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R2106	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R2107	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R2108	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R2109	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R2110	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R2111	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2112	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2113	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2114	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2115	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2116	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2201	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2202	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2203	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2204	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2205	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R2206	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R2207	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R2208	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R2209	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R2210	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R2211	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R2212	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2213	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2214	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2215	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2216	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
RA1401	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1402	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1403	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1404	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1405	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1406	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1609	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1610	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1611	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1612	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1613	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1614	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1615	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1616	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1617	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1618	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1619	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1620	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1621	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1622	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1623	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1624	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1625	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1626	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1627	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1628	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1629	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1630	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1631	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1632	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1633	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J	
RA1634	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J	
RA1801	NRZ0087-103W	NET RESISTOR	10kΩ 1/16W J	
RA1802	NRZ0087-103W	NET RESISTOR	10kΩ 1/16W J	
RA2101	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J	
RA2102	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J	
RA2103	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J	
RA2104	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J	
RA2208	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J	
RA2209	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J	
RA2210	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J	
RA2211	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J	
L1001	NQL085J-100X	COIL	10uH J	
T1801	NQR0568-005X	CHOKE COIL		
B1202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,300SER
B1208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,300SER
B1405	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	300BE,300BEK,300SE,300SEF,300SEK,300SER
B1701	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,300SER
B1901	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,300SER
CN1101	QGB1231L2-15W	CONNECTOR	28PIN STR	
CN1102	QGB1231L2-15W	CONNECTOR	20PIN STR	
CN1103	QGF1016C6-19W	CONNECTOR	FFC/FPC (1-19)	
CN1403	QGF1016C6-04W	CONNECTOR	LOG	
CN1501	QGB0605M1-40W	CONNECTOR	B-B (1-40)	
CN1801	QGB1231L2-09W	CONNECTOR	B-B (1-9)	
CN2101	QGF0508C2-40W	CONNECTOR	HDD	
CN2201	QGF0508C2-40W	CONNECTOR	F/T F_END	
K1001	NQR0022-002X	FERRITE BEADS		
K1002	NQR0022-002X	FERRITE BEADS		
K1003	NQR0022-002X	FERRITE BEADS		
K1004	NQR0022-002X	FERRITE BEADS		
K1005	NQR0022-002X	FERRITE BEADS		
K1006	NQR0022-002X	FERRITE BEADS		
K1007	NQR0022-002X	FERRITE BEADS		
K1008	NQR0022-002X	FERRITE BEADS		
K1009	NQR0022-002X	FERRITE BEADS		
K1010	NQR0022-002X	FERRITE BEADS		

⚠ Symbol No.	Part No.	Part Name	Description	Local
K1011	NQR0022-002X	FERRITE BEADS		
K1012	NQR0022-002X	FERRITE BEADS		
K1013	NQR0022-002X	FERRITE BEADS		
K1014	NQR0022-002X	FERRITE BEADS		
K1015	NQR0022-002X	FERRITE BEADS		
K1016	NQR0022-002X	FERRITE BEADS		
K1019	NQR0022-005X	FERRITE BEADS		
K1020	NQR0022-005X	FERRITE BEADS		
K1021	NQR0022-002X	FERRITE BEADS		
K1022	NQR0022-005X	FERRITE BEADS		
K1023	NQR0022-002X	FERRITE BEADS		
K1024	NQR0022-002X	FERRITE BEADS		
K1025	NQR0022-002X	FERRITE BEADS		
K1026	NQR0022-002X	FERRITE BEADS		
K1027	NQR0022-002X	FERRITE BEADS		
K1029	NQR0022-002X	FERRITE BEADS		
K1030	NQR0022-002X	FERRITE BEADS		
K1404	NQR0564-001X	FERRITE BEADS		
K1406	NQR0564-001X	FERRITE BEADS		
K1501	NQR0022-002X	FERRITE BEADS		
K1502	NQR0022-002X	FERRITE BEADS		
K1503	NQR0022-002X	FERRITE BEADS		
K1504	NQR0022-002X	FERRITE BEADS		
K1505	NQR0022-002X	FERRITE BEADS		
K1506	NQR0022-002X	FERRITE BEADS		
K1507	NQR0022-002X	FERRITE BEADS		
K1508	NQR0022-002X	FERRITE BEADS		
K1509	NQR0022-002X	FERRITE BEADS		
K1510	NQR0022-002X	FERRITE BEADS		
K1511	NQR0022-002X	FERRITE BEADS		
K1512	NQR0022-002X	FERRITE BEADS		
K1513	NQR0022-002X	FERRITE BEADS		
K1514	NQR0022-002X	FERRITE BEADS		
K1515	NQR0022-002X	FERRITE BEADS		
K1516	NQR0022-002X	FERRITE BEADS		
K1517	NQR0022-002X	FERRITE BEADS		
K1518	NQR0022-002X	FERRITE BEADS		
K1519	NQR0022-002X	FERRITE BEADS		
K1520	NQR0022-002X	FERRITE BEADS		
K1521	NQR0022-002X	FERRITE BEADS		
K1522	NQR0022-002X	FERRITE BEADS		
K1523	NQR0022-002X	FERRITE BEADS		
K1524	NQR0022-002X	FERRITE BEADS		
K1525	NQR0022-002X	FERRITE BEADS		
K1526	NQR0022-002X	FERRITE BEADS		
K1527	NQR0022-002X	FERRITE BEADS		
K1528	NQR0022-002X	FERRITE BEADS		
K1529	NQR0022-002X	FERRITE BEADS		
K1701	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1702	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1801	NQR0564-001X	FERRITE BEADS		
K1803	NQR0564-001X	FERRITE BEADS		
K2101	NQR0022-002X	FERRITE BEADS		
K2102	NQR0022-002X	FERRITE BEADS		
K2103	NQR0022-002X	FERRITE BEADS		
K2104	NQR0022-002X	FERRITE BEADS		
K2105	NQR0022-002X	FERRITE BEADS		
K2106	NQR0022-002X	FERRITE BEADS		
K2107	NQR0022-002X	FERRITE BEADS		
K2108	NQR0022-002X	FERRITE BEADS		
K2109	NQR0022-002X	FERRITE BEADS		
K2110	NQR0022-002X	FERRITE BEADS		
K2111	NQR0022-002X	FERRITE BEADS		
K2112	NQR0022-002X	FERRITE BEADS		
K2113	NQR0022-002X	FERRITE BEADS		
K2114	NQR0022-002X	FERRITE BEADS		
K2115	NQR0022-002X	FERRITE BEADS		
K2116	NQR0022-002X	FERRITE BEADS		
K2117	NQR0022-002X	FERRITE BEADS		
K2118	NQR0022-002X	FERRITE BEADS		
K2119	NQR0022-002X	FERRITE BEADS		
K2120	NQR0022-002X	FERRITE BEADS		
K2121	NQR0022-002X	FERRITE BEADS		
K2201	NQR0022-002X	FERRITE BEADS		
K2202	NQR0022-002X	FERRITE BEADS		
K2203	NQR0022-002X	FERRITE BEADS		
K2204	NQR0022-002X	FERRITE BEADS		
K2205	NQR0022-002X	FERRITE BEADS		

⚠ Symbol No.	Part No.	Part Name	Description	Local
K2206	NQR0022-002X	FERRITE BEADS		
K2207	NQR0022-002X	FERRITE BEADS		
K2208	NQR0022-002X	FERRITE BEADS		
K2209	NQR0022-002X	FERRITE BEADS		
K2210	NQR0022-002X	FERRITE BEADS		
K2211	NQR0022-002X	FERRITE BEADS		
K2212	NQR0022-002X	FERRITE BEADS		
K2213	NQR0022-002X	FERRITE BEADS		
K2214	NQR0022-002X	FERRITE BEADS		
K2215	NQR0022-002X	FERRITE BEADS		
K2216	NQR0022-002X	FERRITE BEADS		
K2217	NQR0022-002X	FERRITE BEADS		
K2218	NQR0022-002X	FERRITE BEADS		
K2219	NQR0022-002X	FERRITE BEADS		
K2220	NQR0022-002X	FERRITE BEADS		
K2221	NQR0022-002X	FERRITE BEADS		
LC1401	NQR0512-008X	EMI FILTER		
LC1402	NQR0512-008X	EMI FILTER		
LC1403	NQR0512-008X	EMI FILTER		
X1301	NAX0733-001X	CRYSTAL	14.31818MHz	
X1402	NAX0768-001X	CRYSTAL	13.5MHz	
X1801	NAX0666-001X	CRYSTAL	24.576000MHz	
OT1	QQR1624-001	FERRITE PLATE		

RGB_YC Converter board

Block No. [6][8]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10291-01B	RGB_YC CONVERTER BOARD ASSY		
IC4401	BH7236AF-X	IC		
IC4402	MM1503XN-X	IC		
IC4403	74HC4538D-X	IC		
IC4404	BA7666FS-X	IC		
D4401	RB717F-X	SB DIODE		
C4401	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C4403	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4404	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4405	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4406	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4407	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4408	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C4409	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4410	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C4411	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4412	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4413	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4417	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4418	NDC21HJ-103X	C CAPACITOR	0.01uF 50V J	
C4419	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C4420	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C4421	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4422	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4423	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4424	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
R4401	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4402	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R4403	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4404	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4405	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4411	NRSA63D-204X	MG RESISTOR	200kΩ 1/16W D	
R4412	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R4413	NRSA63D-753X	MG RESISTOR	75kΩ 1/16W D	
R4414	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J	
R4415	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4416	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4417	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4418	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4419	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4420	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
CN4402	QGG2502K1-12	CONNECTOR	(1-12)	
OT1	LP40425-001A	BRACKET(PWB)		

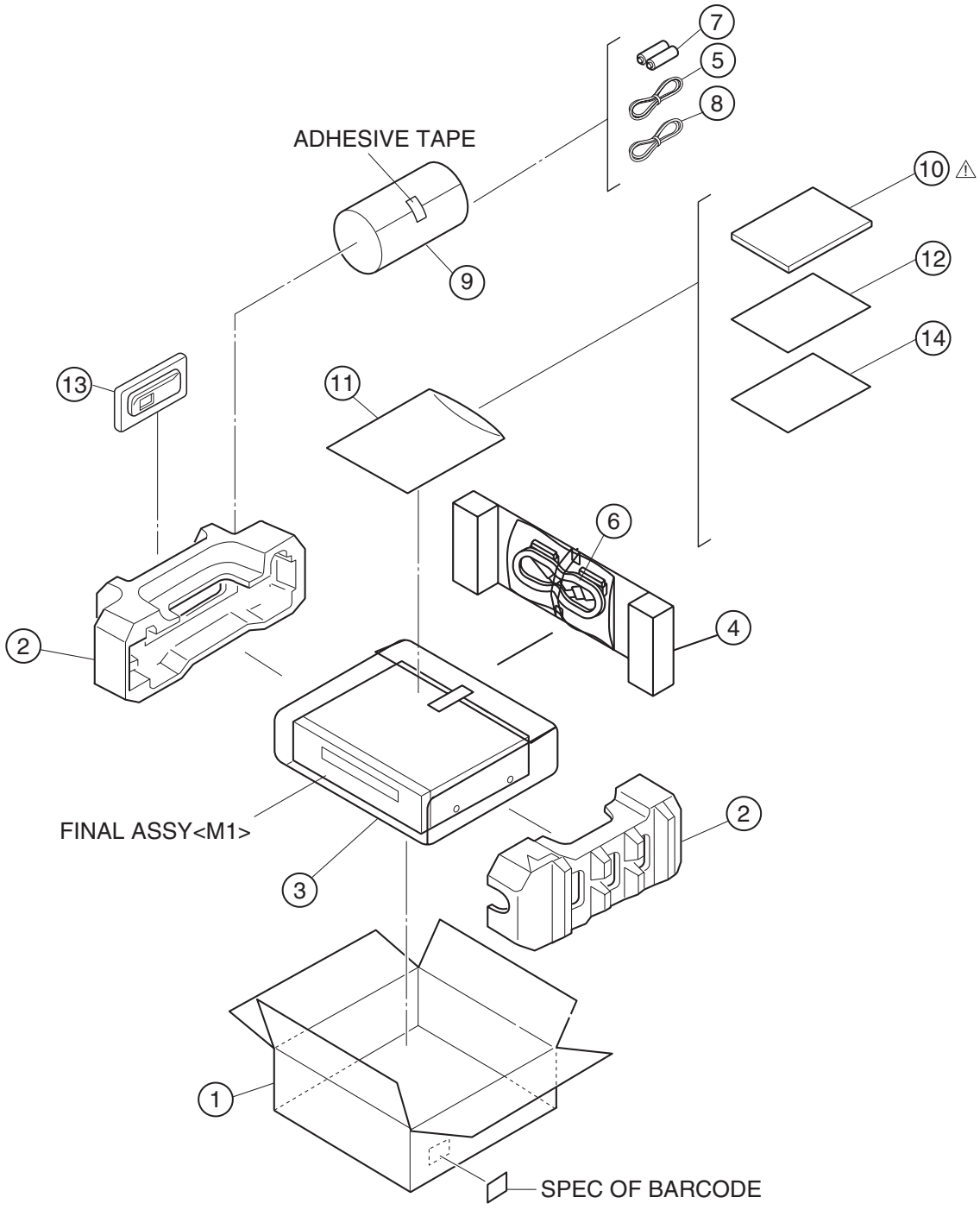
D/D Converter board

Block No. [0][2]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA20041-01A	D/D CONVERTER BOARD ASSY		
IC5701	BD9851EFV-X	IC		
IC5710	QS5U27-W	MOS FET		
Q5720	RTQ035P02-W	MOS FET		
D5710	RB520S-30-X	SB DIODE		
D5720	RB520S-30-X	SB DIODE		
D5721	RB051L-40-X	SB DIODE		
C5710	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C5711	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C5712	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5713	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C5714	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C5715	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C5716	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C5720	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C5721	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C5722	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5723	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C5724	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C5725	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C5726	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C5730	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C5731	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C5732	NCB31CK-223X	C CAPACITOR	0.022uF 16V K	
R5710	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R5711	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R5712	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5713	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R5720	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R5721	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R5722	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5723	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5730	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5731	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R5732	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
L5710	NQL82EN-100X	COIL	10uH N	
L5720	NQR0562-001X	CHOKE COIL		
CN5701	QGG2006K1-06	CONNECTOR	(1-6)	
CN5702	QGG2006K1-07	CONNECTOR	(1-7)	
K5710	NQR0499-002X	FERRITE BEADS		
K5720	NQR0499-002X	FERRITE BEADS		

Packing materials and accessories parts list

Block No.M2MM



Packing and accessories

Block No. [M][2][M][M]

⚠ Symbol No.	Part No.	Part Name	Description	Local
1	LP31492-011A	PACKING CASE		300BE
1	LP31508-005A	PACKING CASE		300BEK
1	LP31492-008A	PACKING CASE		300SE
1	LP31492-009A	PACKING CASE		300SEF
1	LP31508-003A	PACKING CASE		300SEK
1	LP31492-010A	PACKING CASE		300SER
1	LP31492-012A	PACKING CASE		400SE
2	LP31494-001B	CUSHION ASSY		
3	QPC06005515P	POLY BAG	60cm x 55cm	
4	LP31399-003A	SHEET ASSY		300BEK,300SEK
5	QAM0503-002	RF CABLE		
6	QAM0502-002	PERI CABLE		
7	----------	BATTERY	R6TYPE(x2)	
8	QAL0805-001	LED CABLE ASSY		300BE,300BEK,300SE,300SEF,300SEK,400SE
9	QPC02202230P	POLY BAG	ACCESSORY	
⚠ 10	LPT1089-001B	INST.BOOK	(ENGLISH)	300BE,300SE
⚠ 10	LPT1089-002B	INST.BOOK	(GERMANY)	300BE,300SE
⚠ 10	LPT1089-003B	INST.BOOK	(FRENCH)	300BE,300SE
⚠ 10	LPT1089-004B	INST.BOOK	(DUTCH)	300BE,300SE
⚠ 10	LPT1089-006A	INST.BOOK	(ITALIAN)	300BE,300SE
⚠ 10	LPT1089-005A	INST.BOOK	(SPANISH)	300BE,300SE
⚠ 10	LPT1089-007A	INST.BOOK	(DANISH)	300BE,300SE
⚠ 10	LPT1089-008A	INST.BOOK	(FINNISH)	300BE,300SE
⚠ 10	LPT1089-009A	INST.BOOK	(SWEDISH)	300BE,300SE
⚠ 10	LPT1089-010A	INST.BOOK	(NORWEGIAN)	300BE,300SE
⚠ 10	LPT1089-011A	INST.BOOK	(PORTUGUESE)	300BE,300SE
⚠ 10	LPT1089-012A	INST.BOOK	(CZECH)	300BE,300SE
⚠ 10	LPT1089-013A	INST.BOOK	(POLISH)	300BE,300SE
⚠ 10	LPT1089-014A	INST.BOOK	(HUNGARIAN)	300BE,300SE
⚠ 10	LPT1050-001A	INST.BOOK	(FRENCH)	300SEF
⚠ 10	LPT1049-001A	INST.BOOK	(ENGLISH)	300BEK,300SEK
⚠ 10	LPT1061-001A	INST.BOOK	(RUSSIAN)	300SER
⚠ 10	LPT1068-001A	INST.BOOK	(GERMANY)	400SE
11	QPC02503530P	POLY BAG	INST	
12	----------	WARRANTY CARD	BT-54027-1	
13	RM-SDR041A	REMOCON UNIT		300SER
13	RM-SDR033E	REMOCON UNIT		300BE,300BEK,300SE,300SEF,300SEK,400SE
14	LYT0194-001B	Q.CARD		300BEK,300SEK